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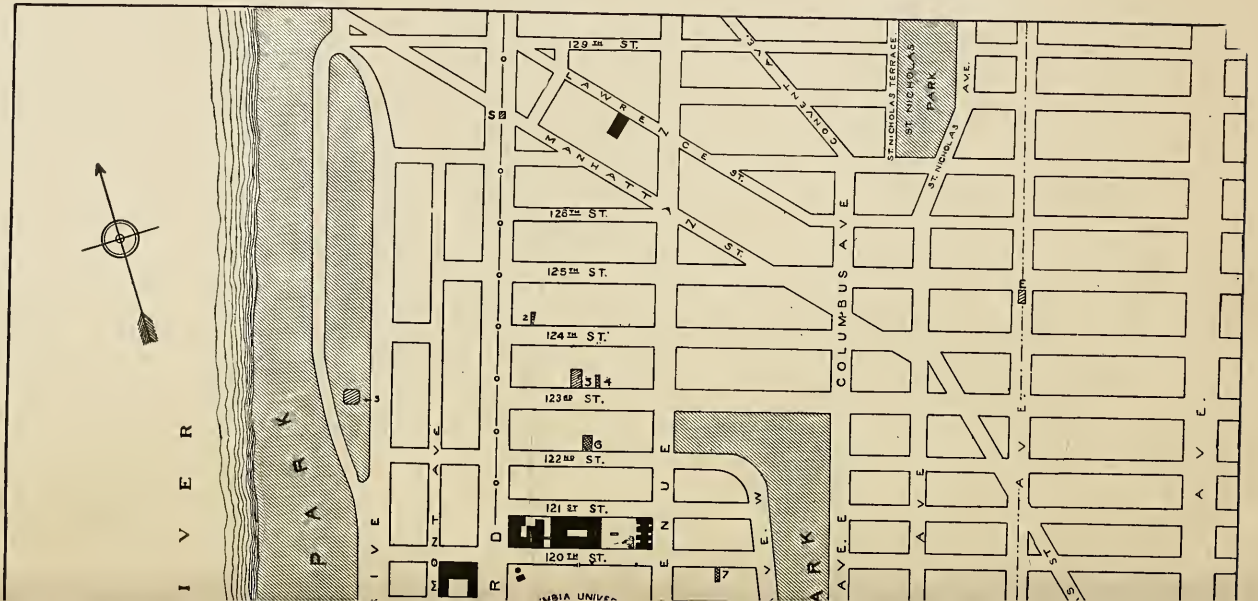

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A.B., Columbia, 1882; A.M., 1883; Ph.D., 1884; LL.D., Syracuse, 1898; Tulane, 1901; Johns Hopkins, Princeton, Yale, and University of Pennsylvania, 1902; Chicago, 1903; Manchester and St. Andrew's, 1905; Litt.D., Oxford, 1905.

Professors

J. HOWARD VAN AMRINGE.....Professor of Mathematics
A.B., Columbia, 1860; A.M., 1863; L.H.D., 1890; Ph.D., University of the State of New York, 1877; LL.D., Union, 1895.

CHARLES F. CHANDLER.....Mitchill Professor of Chemistry
A.M., Ph.D., Göttingen, 1856; M.D., University of New York, 1873; LL.D. Union, 1873; Sc.D., Oxford, 1900.

[1]JOHN W. BURGESS..Ruggles Professor of Political Science and Constitutional Law and Theodore Roosevelt Professor of American History and Institutions in the University of Berlin for the year 1906–07
A.B., Amherst, 1867; A.M., 1870; LL.D., 1884; Ph.D., Princeton, 1883

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E.M., Columbia, 1869; Ph.D., 1876; Sc.D., 1904.

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A.B., Harvard, 1866; A.M., 1869; M.D., Columbia, 1870; LL.D., 1904.

FRANK J. GOODNOW..Eaton Professor of Administrative Law and Municipal Science
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A.B., Columbia, 1881; Ph.D., Leipzig, 1886.

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A.B., Columbia, 1879; A.M., 1883; LL.B., 1884; Ph.D., 1884; LL.D., 1904.

HARRY THURSTON PECK....Anthon Professor of the Latin Language and Literature
A.B., Columbia, 1881; A.M., 1882; L.H.D., 1884; LL.D., 1904; Ph.D., Cumberland, 1883; LL.D., Alfred University, 1903.

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A.B., Hamilton, 1881; Ph.D., Freiburg, 1881.

M. ALLEN STARR.....Professor of Neurology
A.B., Princeton, 1876; A.M., 1879; Ph.D., 1884; LL.D., 1899; M.D., Columbia, 1880; Sc.D., 1904.

[1] Absent on leave.

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A.B., Amherst, 1875; A.M., 1885.

ALFRED J. MOSES.....Professor of Mineralogy
E.M., Columbia, 1882; Ph.D., 1890.

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A.B., Amherst, 1877; A.M., 1880; Ph.D., Columbia, 1889.

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A.B., Lafayette, 1880; A.M., 1883; Ph.D., Leipzig, 1886.

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GEORGE W. KIRCHWEY.....Kent Professor of Law
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JOHN BASSETT MOORE..Hamilton Fish Professor of International Law and Diplomacy
A.B., Virginia, 1880; LL.D., Yale, 1901.

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A.B., Princeton, 1877; Sc.D., 1880; LL.D., Trinity College (Hartford), 1901; Princeton, 1902; Sc.D., Cambridge, 1904.

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A.B., Columbia, 1875; LL.D., 1904; A.M. and Ph.D., Tübingen, 1879.

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A.B., Columbia, 1881; A.M., 1883; Ph.D., 1885; LL.D., 1904.

ABRAHAM VALENTINE WILLIAMS JACKSON..Professor of Indo-Iranian Languages
A.B., Columbia, 1883; A.M., 1884; L.H.D., 1885; Ph.D., 1886; LL.D., 1904.

ADOLPHE COHN..Professor of the Romance Languages and Literatures
B. ès. L., Paris, 1868; LL.B., 1873; A.M., 1874.

EDMUND B. WILSON.....Professor of Zoölogy
Ph.B., Yale, 1878; LL.D., 1901; Ph.D., Johns Hopkins, 1881; LL.D., 1902; LL.D., Chicago, 1901.

JAMES FURMAN KEMP.....Professor of Geology
A.B., Amherst, 1881; Sc.D., 1906; E.M., Columbia, 1884.

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E.M., Columbia, 1883.

WILLIAM HALLOCK.....Professor of Physics
A.B., Columbia, 1879; Ph.D., Würzburg, 1881; Phar.D., National College of Pharmacy, 1892.

BRANDER MATTHEWS.....Professor of Dramatic Literature
A.B., Columbia, 1871; LL.B., 1873; A.M., 1874; LL.D., 1904; D.C.L., University of the South, 1899; Litt.D., Yale, 1901.

FRANCIS B. CROCKER.....Professor of Electrical Engineering
E.M., Columbia, 1882; Ph.D., 1895.

MICHAEL IDVORSKY PUPIN.....Professor of Electro-Mechanics
A.B., Columbia, 1883; Sc.D., 1904; Ph.D., Berlin, 1889.

T. MITCHELL PRUDDEN.....Professor of Pathology
B.S., Yale, 1872; M.D., 1875; LL.D., 1896.

WILLIAM H. BURR.....Professor of Civil Engineering
C.E., Rensselaer Polytechnic, 1872.

HENRY ALFRED TODD.....Professor of Romance Philology
A.B., Princeton, 1876; Ph.D., Johns Hopkins, 1885.

[1]GEORGE RICE CARPENTER.....Professor of Rhetoric and English Composition
A.B., Harvard, 1886.

FRANKLIN HENRY GIDDINGS.....Professor of Sociology and the History of Civilization
A.B., Union, 1877; A.M., 1889; Ph.D., 1897; LL.D., Oberlin, 1900.

GEORGE F. CANFIELD..... Professor of Law
A.B., Harvard, 1875; LL.B., 1880.

THOMAS SCOTT FISKE.....Professor of Mathematics
A.B., Columbia, 1885; A.M., 1886; Ph.D., 1888.

HAROLD JACOBY.....Rutherfurd Professor of Astronomy
A.B., Columbia, 1885; Ph.D., 1895.

JOHN B. CLARK.....Professor of Political Economy
A.B., Amherst, 1872; Ph.D., 1890; LL.D., 1897; LL.D., Princeton, 1896.

JAMES RIGNALL WHEELER...Professor of Greek Archæology and Art
A.B., Vermont, 1880; Ph.D., Harvard, 1885.

FRANK N. COLE.....Professor of Mathematics
A.B., Harvard, 1882; A.M. and Ph.D., 1886.

JAMES HARVEY ROBINSON.....Professor of History
A.B., Harvard, 1887; A.M., 1888; Ph.D., Freiburg, 1890.

FREDERIC S. LEE.....Professor of Physiology
A.B., St. Lawrence, 1878; A.M., 1881; Ph.D., Johns Hopkins, 1885.

JAMES CHIDESTER EGBERT.....Professor of Latin
A.B., Columbia, 1881; A.M., 1882; Ph.D., 1884.

CALVIN THOMAS...Gebhard Professor of the Germanic Languages and Literatures
A.B., Michigan, 1874; A.M., 1877; LL.D., 1904.

EDWIN B. CRAGIN.....Professor of Obstetrics and Gynecology
A.B., Yale, 1882; M.D., Columbia, 1886.

CARLO LEONARDO SPERANZA.....Professor of Italian
Licenziato del Liceo di Padova, 1861; J. D., Padua, 1866; A.M., Columbia, 1887.

BASHFORD DEAN.....Professor of Vertebrate Zoölogy
A.B., College of the City of New York, 1886; A.M., Columbia, 1889; Ph.D., 1890.

LUCIEN MARCUS UNDERWOOD.....Torrey Professor of Botany
Ph.B., Syracuse, 1877; Ph.M., 1878; Ph.D., 1879; LL.D., 1906.

WILLIAM MILLIGAN SLOANE.....Seth Low Professor of History
A.B., Columbia, 1868; L.H.D., 1887; A.M. and Ph.D., Leipzig, 1876; LL.D. Princeton, 1903.

HENRY MARION HOWE.....Professor of Metallurgy
B.S., Harvard, 1869; A.M., 1872; LL.D., 1905; B.S., Mass. Institute of Technology, 1871; LL.D., Lehigh, 1905; LL.D., Harvard, 1905.

CHARLES E. PELLEW.....Adjunct Professor of Chemistry
E.M., Columbia, 1884.

EARL B. LOVELL.....Adjunct Professor of Civil Engineering
C.E., Cornell, 1891.

FRANZ BOAS.....Professor of Anthropology
Ph.D., Kiel, 1881.

[1] Absent on Leave.

JOHN FRANCIS WOODHULL..Professor of Physical Science in Teachers College
A.B., Yale, 1880; Ph.D., Columbia, 1899.

FRANKLIN THOMAS BAKER.....Professor of the English Language and Literature in Teachers College
A.B., Dickinson, 1885; A.M., 1889; A.M., Columbia, 1900.

[1]RICHARD ELWOOD DODGE.....Professor of Geography in Teachers College
A.B., Harvard, 1890; A.M., 1894.

CHARLES EARL BIKLÉ..Adjunct Professor of Mathematics in Teachers College
A.B., Dickinson, 1886; A.M., 1889.

JAMES EARL RUSSELL.....Barnard Professor of Education
A.B., Cornell, 1887; Ph.D., Leipzig, 1894; LL.D., Dickinson, 1903.

HELEN KINNE.....Professor of Domestic Science in Teachers College

MARY SCHENCK WOOLMAN.....Professor of Domestic Art in Teachers College

FRANK M. MCMURRY.....Professor of Elementary Education in Teachers College
Ph.D., Jena, 1889.

CHARLES RUSSELL RICHARDS.....Macy Professor of Manual Training in Teachers College
B.S., Massachusetts Institute of Technology, 1885.

PAUL MONROE.....Professor of the History of Education in Teachers College
B.S., Franklin, 1890; M.S., 1895; Ph.D., Chicago, 1897.

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M.A., Virginia, 1884; LL.D., Wake Forest, 1899. D.C.L., University of the South, 1905

HERBERT G. LORD.....Professor of Philosophy
A.B., Amherst, 1871; A.M., 1900.

NELSON GLENN MCCREA.....Professor of Latin
A.B., Columbia, 1885; A.M., 1886; Ph.D., 1888.

GONZALEZ LODGE...Professor of Latin and Greek in Teachers College
A.B., Johns Hopkins, 1883; Ph.D., 1886; LL.D., Franklin and Marshall, 1901

CLARENCE H. YOUNG.....Professor of Greek
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891.

LIVINGSTON FARRAND.....Professor of Anthropology
A.B., Princeton, 1888; A.M., 1891; M.D., Columbia, 1891.

GEORGE FRANCIS SEVER.....Professor of Electrical Engineering
M.Sc., Columbia, 1905.

JAMES MACLAY.....Professor of Mathematics
C.E., Columbia, 1888; Ph.D., 1899.

[2]EDMUND HOWD MILLER.....Professor of Analytical Chemistry
Ph.B., Columbia, 1891; A.M., 1892; Ph.D., 1894.

MARSTON TAYLOR BOGERT.....Professor of Organic Chemistry
A.B., Columbia, 1890; Ph.B., 1894.

[1] Absent on leave. [2] Died Nov. 8, 1906.

J. Livingston Rutgers Morgan.....Professor of Physical Chemistry
B.S. and A.M., Rutgers, 1892; Ph.D., Leipzig, 1895.

[1]Benjamin Duryea Woodward ..... Professor of the Romance Languages and Literatures
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891; B. ès S., Sorbonne, 1885; B. ès L. 1886; Ph.D., Columbia, 1891.

Henry E. Crampton.....Professor of Zoölogy
A.B., Columbia, 1893; Ph.D., 1899.

Edward Lee Thorndike.....Professor of Educational Psychology in Teachers College
A.B., Wesleyan, 1895; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1898.

Charles Hubert Farnsworth.....Adjunct Professor of Music in Teachers College

Henry S. Redfield.....Nash Professor of Law
A.B., Amherst, 1877; A.M., 1887; LL.D., 1901.

David Eugene Smith..Professor of Mathematics in Teachers College
Ph.B., Syracuse, 1881; Ph.M., 1884; Ph.D., 1887; LL.D., 1905; M.Pd., Michigan State Normal, 1898.

Thomas Denison Wood.....Professor of Physical Education
A.B., Oberlin, 1888; A.M., 1891; M.D., Columbia, 1891.

Charles Thaddeus Terry.....Professor of Law
A.B., Williams, 1889; LL.B., Columbia, 1893.

Walter B. James.....Bard Professor of the Practice of Medicine
A.B., Yale, 1879; M.D., Columbia, 1883; LL.D., 1904; A.M. (Hon.) Yale, 1906.

William J. Gies.....Professor of Physiological Chemistry
B.S., Pennsylvania College, 1893; M.S., 1896; Ph.B., Yale, 1894; Ph.D., 1897.

William T. Brewster.....Professor of English
A.B., Harvard, 1892; A.M., 1893.

George Clinton Densmore Odell.....Professor of English
A.B., Columbia, 1889; A.M., 1890; Ph.D., 1893.

Charles Knapp.....Professor of Classical Philology
A.B., Columbia, 1887; A.M., 1888; Ph.D., 1890.

L. Emmett Holt....Carpentier Professor of the Diseases of Children
A.B., Rochester, 1875; A.M., 1878; M.D., Columbia, 1880; Sc.D., 1904.

Amadeus W. Grabau.....Professor of Palæontology
S.B., Massachusetts Institute of Technology, 1896; S.M., Harvard, 1898; S.D., 1900.

Henry Rogers Seager.....Professor of Political Economy
Ph.B., Michigan, 1890; Ph.D., Pennsylvania, 1894.

Henry L. Moore.....Professor of Political Economy
A.B., Randolph-Macon, 1892; Ph.D., Johns Hopkins, 1896.

John Dyneley Prince.....Professor of Semitic Languages
A.B., Columbia, 1888; Ph.D., Johns Hopkins, 1892.

Frederick James Eugene Woodbridge.....Johnsonian Professor of Philosophy
A.B., Amherst, 1889; A.M., 1898; LL.D., 1903.

Friedrich Hirth.....Dean Lung Professor of Chinese
A.M. and Ph.D., Rostock, 1869.

Felix Adler.....Professor of Social and Political Ethics
A.B., Columbia, 1870; Ph.D., Heidelberg, 1873.

[1] Absent on leave.

JULIUS SACHS.....Professor of Secondary Education in Teachers College
A.B., Columbia, 1867; A.M., 1871; Ph.D., Rostock, 1871.

RALPH EDWARD MAYER....Adjunct Professor of Mechanical Drawing
C.E., Columbia, 1879.

IRA H. WOOLSON.....Adjunct Professor of Mechanical Engineering
E.M., Columbia, 1885.

HERBERT MAULE RICHARDS.....Professor of Botany
B.S., Harvard, 1892; Sc.D., 1895.

GARY N. CALKINS.....Professor of Invertebrate Zoölogy
B.S., Massachusetts Institute of Technology, 1890; Ph.D., Columbia, 1898.

PHILIP HANSON HISS, Jr.....Professor of Bacteriology
M.D., Columbia, 1895.

MARGARET E. MALTBY.....Adjunct Professor of Physics in Barnard College
A.B., Oberlin, 1882; A.M., 1891; B.S., Massachusetts Institute of Technology, 1891; Ph.D., Göttingen, 1895.

CASSIUS JACKSON KEYSER.....Adrain Professor of Mathematics
B.S., Missouri, 1892; A.M., Columbia, 1896; Ph.D., 1901.

HERSCHEL C. PARKER.....Adjunct Professor of Physics
Ph.B., Columbia, 1890.

CHARLES AUGUSTUS STRONG.....Professor of Psychology
A.B., Rochester, 1884; A.B., Harvard, 1885.

MARSHALL H. SAVILLE....Loubat Professor of American Archæology

GEORGE L. MEYLAN....Adjunct Professor of Physical Education and Medical Director of the Gymnasium
M.D., New York University, 1896; B.S., Harvard, 1902; A.M., Columbia, 1904.

ERNEST F. NICHOLS.....Professor of Experimental Physics
B.S., Kansas Agricultural College, 1888; M.S., Cornell, 1893; Sc.D., 1897; Sc.D., Dartmouth, 1903.

CHRISTIAN A. HERTER..Professor of Pharmacology and Therapeutics
M.D., Columbia, 1885.

ELIJAH WILLIAM BAGSTER-COLLINS..Adjunct Professor of German in Teachers College
A.B., Brown, 1897; A.M., Columbia, 1898.

MAURICE A. BIGELOW.....Adjunct Professor of Biology in Teachers College
B.S., Ohio Wesleyan, 1894; M.S., Northwestern, 1896; Ph.D., Harvard, 1901.

FREDERICK H. SYKES.....Director of Extension Teaching and Professor in English in Extension Teaching
A.B., Toronto, 1885; A.M., 1886; Ph.D., Johns Hopkins, 1894.

JOSEPH A. BLAKE.....Professor of Surgery
A.B., Yale, 1885; Ph.B., 1886; M.D., Columbia, 1889.

SAMUEL W. LAMBERT.....Professor of Applied Therapeutics
A.B., Yale, 1880; Ph.B., 1882; A.M., 1905; M.D., Columbia, 1885.

GEORGE E. BREWER.....Professor of Clinical Surgery
A.B., Hamilton, 1881; A.M., 1882; M.D., Buffalo, 1884; M.D., Harvard, 1885.

GEORGE H. FOX.....Professor of Dermatology
A.M., Rochester, 1867; M.D., Pennsylvania, 1869.

VIRGIL P. GIBNEY.....Professor of Orthopædic Surgery
A.B., Kentucky, 1869; A.M., 1872; LL.D., 1899; M.D., Bellevue, 1871.

WILLIAM K. SIMPSON.....Professor of Laryngology
M.D., Columbia, 1880.

ARNOLD H. KNAPP.....Professor of Ophthalmology
A.B., Harvard, 1889; M.D., Columbia, 1892.

GORHAM BACON.....Professor of Otology
A.B., Harvard, 1875; M.D., Bellevue, 1878.

JAMES R. HAYDEN.....Professor of Genito-Urinary Diseases
M.D., Columbia, 1884.

EUGENE HODENPYL.....Adjunct Professor of Pathological Anatomy
M.D., Columbia, 1885.

HERMAN T. VULTÉ.....Adjunct Professor of Domestic Science in Teachers College
Ph.B., Columbia, 1881; Ph.D., 1885.

FRANCIS CARTER WOOD.....Professor of Clinical Pathology
B.S., Ohio State, 1891; M.D., Columbia, 1894.

LEA MCILVAINE LUQUER.....Adjunct Professor of Mineralogy
C.E., Columbia, 1887; Ph.D., 1894.

LOUIS AUGUSTE LOISEAUX.....Adjunct Professor of the Romance Languages and Literatures
B.S., Dijon, 1894.

WILLIAM ADDISON HERVEY.....Adjunct Professor of the Germanic Languages and Literatures
A.B., Columbia, 1893; A.M., 1894.

FREDERICK R. BAILEY.....Adjunct Professor of Histology and Embryology
A.B., Princeton, 1892; A.M., 1893; M.D., Columbia, 1895.

RUDOLF TOMBO, Jr....Adjunct Professor of the Germanic Languages and Literatures
B.S., College of the City of New York, 1895; M.S., 1899; A.M., Columbia, 1898; Ph.D., 1901.

BRADLEY STOUGHTON.....Adjunct Professor of Metallurgy
Ph.B., Yale, 1893; B.S., Massachusetts Institute of Technology, 1896.

JOHN ANGUS MAC VANNEL.....Professor of the Philosophy of Education in Teachers College
A.B., Toronto, 1893; A.M., 1894; Ph.D., Columbia, 1898.

RUSSELL BURTON-OPITZ.....Adjunct Professor of Physiology
M.D., Chicago, 1895; B.S., 1898; M.S., 1902; Ph.D., 1905.

LEONARD BEECHER MCWHOOD.....Adjunct Professor of Music
A.B., Columbia, 1893.

JOEL ELIAS SPINGARN...Adjunct Professor of Comparative Literature
A.B., Columbia, 1895; Ph.D., 1899.

MAXIMILIAN K. KRESS.....Adjunct Professor of Architecture
A.M., Rutgers, 1895.

GEORGE N. OLCOTT.....Adjunct Professor of Latin
A.B., Columbia, 1893; Ph.D., 1899.

THOMAS HUNT MORGAN.....Professor of Experimental Zoölogy
B.S., State College of Kentucky, 1886; Ph.D., Johns Hopkins, 1891.

[1] GEORGE STUART FULLERTON.....Professor of Philosophy
B.A., Pennsylvania, 1879; M.A., 1882; B.D., Yale, 1883; Ph.D., Muhlenburg, 1892; LL.D., 1900.

[1] Absent on leave.

JEFFERSON B. FLETCHER.....Professor of Comparative Literature
A.B., Harvard, 1887; A.M., 1889.

HARRY MCMAHON PAINTER.....Professor of Clinical Obstetrics
A.B., Yale, 1884; Ph.B., 1885; M.D., Columbia, 1888.

CHARLES LANE POOR.....Professor of Astronomy
B.S., College of the City of New York, 1886; M.S., 1890; Ph.D., Johns Hopkins, 1892.

CORNELIUS RÜBNER.....Professor of Music

ARTHUR WESLEY DOW....Professor of Fine Arts in Teachers College

JOHN DEWEY.....Professor of Philosophy
A.B., Vermont, 1879; Ph.D., Johns Hopkins, 1884; LL.D., University of Wisconsin, 1904.

HENRY H. RUSBY.....Professor of Materia Medica in the College of Pharmacy
M.D., University Medical College of New York, 1884.

VIRGIL COBLENTZ.....Professor of Chemistry in the College of Pharmacy
A.B., Wittenberg, 1880; Ph.G., Philadelphia College of Pharmacy, 1882; Phar.M., 1894; A.M., Ph.D., University of Berlin, 1891.

SMITH ELY JELLIFFE.....Professor in the College of Pharmacy and Instructor in Materia Medica
A.B., Brooklyn Polytechnic, 1896; M.D., Columbia, 1889; Ph.D., 1899.

GEORGE C. DIEKMAN.....Professor of Pharmacy in the College of Pharmacy
Ph.G., New York College of Pharmacy, 1888; M.D., Columbia, 1891.

JOHN OEHLER.....Adjunct Professor of Chemistry in the College of Pharmacy
Ph.G., New York College of Pharmacy, 1879.

[1]JAMES S. C. WELLS.....Adjunct Professor of Analytical Chemistry
Ph.B., Columbia, 1875; Ph.D., 1877.

JOSEPH C. PFISTER.....Adjunct Professor of Mechanics
A.B., Columbia, 1889; A.M., 1890.

HENRY CLAPP SHERMAN...Adjunct Professor of Analytical Chemistry
B.S., Maryland Agricultural College, 1893; A.M., Columbia, 1896; Ph.D., 1897.

WILLIAM ROBERT SHEPHERD.....Adjunct Professor of History
A.B., Columbia, 1893; A.M., 1894; Ph.D., 1896.

FRANK LEO TUFTS.....Adjunct Professor of Physics
B.S., Antioch, 1891; A.B., Harvard, 1894; A.M., Columbia, 1896; Ph.D., 1897.

JAMES T. SHOTWELL.....Adjunct Professor of History
A.B., Toronto, 1898; Ph.D., Columbia, 1903.

GEORGE W. BOTSFORD.....Adjunct Professor of History
A.B., Nebraska, 1884; A.M., 1889; Ph.D., Cornell, 1891.

ALBERT P. WILLS.....Adjunct Professor of Mechanics
B.E.E., Tufts, 1894; Ph.D., Clark, 1897.

ROBERT SESSIONS WOODWORTH.....Adjunct Professor of Psychology
A.B., Amherst, 1891; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1899.

BERN B. GALLAUDET.....Adjunct Professor of Anatomy and Clinical Lecturer and Instructor in Surgery
A.B., Trinity, 1880; A.M., 1883; M.D., Columbia, 1884.

SAMUEL A. TUCKER.....Adjunct Professor of Electro-Chemistry
Ph.B., Columbia, 1895.

[1] Absent on leave.

HENRY BEDINGER MITCHELL.....Adjunct Professor of Mathematics
E.E., Columbia, 1898; A.M., 1900.

VLADIMIR G. SIMKHOVITCH....Adjunct Professor of Economic History
Ph.D., Halle-Wittenberg, 1898.

EDWARD THOMAS DEVINE.....Schiff Professor of Social Economy
B.A., Cornell College, Iowa, 1887; M.A., 1890; LL.D., 1904; Ph.D., Pennsylvania, 1895.

HERMON C. BUMPUS.....Director of the American Museum of Natural History
B.A., Brown, 1884; Ph.D., Clark, 1890.

CHARLES F. MCKIM.....Director of Atelier
Litt.D., Columbia, 1904.

THOMAS HASTINGS.....Director of Atelier
Diplomé de l' École des Beaux-Arts, 1884.

FRANK W. JACKSON.....Professor of Clinical Medicine
A.B., Yale, 1876; M.D., Columbia, 1879.

ADOLPH BLACK.....Adjunct Professor of Civil Engineering
C.E., Columbia, 1894.

JOHN HENRY LARKIN....Adjunct Professor of Pathological Anatomy
A.B., Manhattan, 1891; M.D., Columbia, 1894.

CHARLES EDWARD LUCKE.Adjunct Professor of Mechanical Engineering
B.S., College of the City of New York, 1895; M.S., New York University, 1899, Ph.D., Columbia, 1902.

EDWARD KASNER.....Adjunct Professor of Mathematics
B.S., College of the City of New York, 1896; A.M., Columbia, 1897; Ph.D., 1899.

CURTIS HIDDEN PAGE.....Adjunct Professor of the Romance Languages and Literatures
A.B., Harvard, 1890; A.M., 1891; Ph.D., 1894.

ASHLEY HORACE THORNDIKE.....Professor of English
A.B., Wesleyan, 1893; A.M., Harvard, 1896; Ph.D., 1898.

WALTER RAUTENSTRAUCH.....Adjunct Professor of Mechanical Engineering
B.S., University of Missouri, 1902; M.S., University of Maine, 1903.

HENRY JOHNSON.....Professor of History in Teachers College
B.L., University of Minnesota, 1889; A.M., Columbia, 1902.

DAVID SAMUEL SNEDDEN.....Adjunct Professor of Educational Administration in Teachers College
A.B., St. Vincent's College, 1890; A.B., Leland Stanford Junior University, 1897; A.M., Columbia, 1901.

[1] MARGARET ADELAIDE NUTTING...Professor of Institutional Management in Teachers College

HERMANN SCHUMACHER, Ph.D...Kaiser Wilhelm Professor of German History and Institutions
Ordinary Professor of Political Economy in the University of Bonn.

FREDERICK DIELMAN.....President of the National Academy of Design

SIR CASPAR PURDON CLARKE .....Director of the Metropolitan Museum of Art

[1] Absent on leave.

EDWARD ROBINSON.....Assistant Director of the Metropolitan Museum of Art
A.B. Harvard, 1879; LL.D., University of Aberdeen, 1905.

ANTON VORISEK.....Professor of Analytical Chemistry in the College of Pharmacy
Phar.G., New York College of Pharmacy, 1898; Phar.D., 1902.

VIRGIL PRETTYMAN....Principal of Horace Mann High School with rank of Adjunct Professor in Teachers College
A.B., Dickinson, 1892; A.M. 1895; Pd.D.. 1905.

HENRY CARR PEARSON.....Principal of Horace Mann Elementary School with rank of Adjunct Professor in Teachers College
A.B., Harvard, 1892.

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Special Lecturers for 1906-07

JOSEPH LARMOR, Sc.D.....Non-resident Lecturer in Mathematical Physics

OTTO LUMMER, Ph.D.....Non-resident Lecturer in Mathematical Physics

ALBERT SHAW, Ph.D.....Lecturer on the George Blumenthal Foundation

WOODROW WILSON, Ph.D., LL.D....Lecturer on the George Blumenthal Foundation

(4)

Clinical Professors and Lecturers

CHARLES MCBURNEY.....Professor of Clinical Surgery
A.B., Harvard, 1866; A.M., 1869; M.D., Columbia, 1870.

ROBERT F. WEIR.....Professor of Clinical Surgery
A.B., College of the City of New York, 1854; A.M., 1857; M.D., College of Physicians and Surgeons, 1859.

FRANCIS P. KINNICUTT.....Professor of Clinical Medicine
A.B., Harvard, 1868; A.M., 1872; M.D., Columbia, 1871.

FRANK HARTLEY.....Professor of Clinical Surgery and Instructor in Operative Surgery
A.B., Princeton, 1877; M.D., Columbia, 1880.

FRANCIS H. MARKOE.....Professor of Clinical Surgery
A.B., Princeton, 1876; M.D., Columbia, 1879.

JOHN S. THACHER.....Professor of Clinical Medicine
A.B., Yale, 1877; M.D., Columbia, 1880.

FREDERICK PETERSON.....Clinical Professor of Psychiatry
M.D., Buffalo, 1879; Ph.D., Niagara, 1893.

WALTER F. CHAPPELL.....Clinical Professor of Laryngology
M.D., University of Toronto, 1879.

ANDREW J. MCCOSH.....Clinical Lecturer in Surgery
A.B., Princeton, 1877; A.M., 1880; M.D., Columbia, 1880; LL.D., 1904.

CHARLES T. POORE.....Clinical Lecturer in Surgery
M.D., Columbia, 1866; A.M., Williams, 1891.

ROBERT ABBE.....Clinical Lecturer in Surgery
A.B., College of the City of New York, 1870; M.D., Columbia, 1874.

WILLIAM B. COLEY.....Clinical Lecturer in Surgery
A.B., Yale, 1884; M.D., Harvard, 1888.

JAMES D. VOORHEES.....Lecturer in Obstetrics
A.B., Princeton, 1890; A.M., 1893; M.D., Columbia, 1893.

ROLFE FLOYD.....Lecturer in Anatomy and Assistant in Medicine
A.B., Harvard, 1895; M.D., Columbia, 1899.

LUCIUS W. HOTCHKISS....Clinical Lecturer and Instructor in Surgery
A.B., Columbia, 1881; M.D., 1884.

JOHN B. WALKER..... Clinical Lecturer and Instructor in Surgery
A.B., Harvard, 1884; M.D., 1888.

ROYAL WHITMAN.....Clinical Lecturer and Instructor in Orthopædic Surgery
M.D., Harvard 1882.

PEARCE BAILEY.....Clinical Lecturer in Neurology
A.B., Princeton, 1886; A.M., 1889; M.D., Columbia, 1889.

FRANK R. OASTLER, M.D.....Clinical Lecturer and Instructor in Gynecology

(19)

Instructors

Note—For the Instructors and other Officers not of Professorial Grade in Teachers College, in the College of Pharmacy, and in the Summer Session, see the Table of Contents.

CHARLES A. HARRIMAN.....Instructor in Architecture
GRENVILLE TEMPLE SNELLING, B.S.....Instructor in Architecture
EDWARD LEAMING, M.D.....Instructor in Photography
WILLIAM S. STONE, M.D.....Chief of Clinic and Instructor in Gynecology
GEORGE R. LOCKWOOD, M.D.....Instructor in Medical Diagnosis
WILLIAM K. DRAPER, M.D.....Instructor in Medical Diagnosis
VAN HORNE NORRIE, M.D.....Instructor in Medical Diagnosis
ROBERT LEWIS, Jr., M.D....Chief of Clinic and Instructor in Otology
GEORGE T. JACKSON, M.D.....Chief of Clinic and Instructor in Dermatology
CHARLES PRENTICE BENNS, M.E.....Instructor in Shop-Work in Teachers College
CHARLES NORTH DOWD, M.D.....Instructor in Surgery
GEORGE MONTAGUE SWIFT, M.D.....Instructor in Medicine
RICHARD FROTHINGHAM, M.D.....Instructor in Laryngology
CHARLES CONRAD SLEFFEL..Instructor in Forging in Teachers College
CHARLES W. WEICK, B.S.....Instructor in Wood-working and Pattern-making in Teachers College
WALTON MARTIN, M.D.....Instructor in Surgery
ALBERT E. SUMNER, M.D.....Instructor in Physical Diagnosis
E. MILTON FOOTE, M.D..... Instructor in Surgery
ALFRED S. TAYLOR, M.D.. Assistant Instructor in Operative Surgery
EDWARD LAWRENCE KURTZ, E.M.....Instructor in Mining

ARTHUR M. SHRADY, M.D.....Instructor in Physical Diagnosis
RICHARD H. CUNNINGHAM, M.D.....Chief of Clinic and Instructor in Electro-Physiology and in Neurology
HENRY WOOLFE BERG, M.D.....Instructor in Contagious Diseases
LINNAEUS EDFORD LA FETRA, M.D...Chief of Clinic and Instructor in the Diseases of Children
CHARLES C. TROWBRIDGE, M.S..... Instructor in Physics
DANIEL JORDAN, B.S., Pd.B....Instructor in the Romance Languages and Literatures
ARTHUR F. J. REMY, Ph.D.....Instructor in the Germanic Languages and Literatures
NORMAN E. DITMAN, M.D. .....Instructor in Pathology
A. EMIL SCHMITT, M.D.....Assistant Instructor in Operative Surgery
WARD A. HOLDEN, M.D.....Chief of Clinic and Instructor in Ophthalmology
FRANK S. MATHEWS, M.D.....Instructor in Gynecology
HOWARD C. TAYLOR, M.D.....Instructor in Gynecology
HENRY H. TYSON, M.D.....Instructor in Ophthalmology
FORBES HAWKES, M.D.....Instructor in Surgery
CLARENCE A. MCWILLIAMS, M.D.....Instructor in Surgery
ADAM M. MILLER, A.M.....Instructor in Histology and Embryology
ADRIAN VAN SINDEREN LAMBERT, M.D.....Instructor in Surgery
CARLETON P. FLINT, M.D.....Instructor in Surgery
EUGENE HILLHOUSE POOL, M.D.....Instructor in Surgery
OLIVER S. STRONG, Ph.D..... Instructor in Histology and Embryology
ALFRED NEWTON RICHARDS, Ph.D.....Instructor in Pharmacology
MARIE REIMER, Ph.D.....Instructor in Chemistry in Barnard College
AUGUSTUS B. WADSWORTH, M.D..... Instructor in Bacteriology
JAMES C. AYER, M.D..... Instructor in Surgery and Assistant Instructor in Operative Surgery
WILLIAM CAMPBELL, Ph.D., Sc.D.....Instructor in Metallurgy
GEORGE SLOAN DIXON, M.D.....Instructor in Otology
T. STUART HART, M.D.....Instructor in Physical Diagnosis
WILLIAM P. HEALY, M.D.....Instructor in Gynecology
JOHN HOWLAND, M.D.....Instructor in Contagious Diseases
JAMES A. MILLER, M.D.....Instructor in Physical Diagnosis
CHARLES J. PROBEN, M.D.....Instructor in Gynecology
GEORGE H. RYDER, M.D.....Instructor in Obstetrics
WILLIAM SKARSTROM, M.D.....Instructor in Physical Education
FRANKLIN M. STEPHENS, M.D.....Instructor in Otology
SAMUEL W. THURBER, M.D.....Chief of Clinic and Instructor in Laryngology
PERCY R. TURNURE, M.D.....Chief of Clinic and Instructor in Surgery

JAMES R. WHITING, M.D.....Chief of Clinic and Instructor in Genito-Urinary Diseases
FITZHUGH TOWNSEND, A.B., E.E.....Instructor in Electrical Engineering
HENRY BARGY, A.M.....Instructor in the Romance Languages and Literatures
GEORGE H. LING, Ph.D.....Instructor in Mathematics
NATHANIEL B. POTTER, M.D.....Instructor in Medicine
FRED. P. SOLLEY, M.D.....Instructor in Medicine
GEORGE BRAXTON PEGRAM, Ph.D.....Instructor in Physics
GERTRUDE M. HIRST, Ph.D.....Instructor in Classical Philology in Barnard College
WALTER A. BASTEDO, M.D.....Instructor in Materia Medica and Pharmacology and Assistant in Applied Therapeutics
WILLIAM PEPPERRELL MONTAGUE, Ph.D..Instructor in Philosophy
WILLIAM COGSWELL CLARKE, M.D.....Instructor in Surgery
WALTER R. CRANE, Ph.D.....Instructor in Mining
JOHN W. DRAPER MAURY, M.D...Instructor in Experimental Surgery
WILLIAM W. LAWRENCE, Ph.D.....Instructor in English
EDWARD LIVINGSTON HUNT, M.D.....Instructor in Neurology
ROWLAND COX, M.D.....Assistant Instructor in Operative Surgery
JAMES H. KENYON, M.D.....Assistant Instructor in Operative Surgery
CHARLES P. WARREN, A.M.....Instructor in Architecture
CARLTON CLARENCE CURTIS, Ph.D.....Instructor in Botany
S. ALFRED MITCHELL, Ph.D.....Instructor in Astronomy
WILHELM ALFRED BRAUN, Ph.D.....Instructor in the Germanic Languages and Literatures
HENRY S. PATTERSON, M.D.....Chief of Clinic and Instructor in Materia Medica and Therapeutics
WILLIAM R. WILLIAMS, M.D.....Instructor in Materia Medica and Therapeutics
MORTON ARENDT, E. E.....Instructor in Electrical Engineering
JAMES HOWARD MCGREGOR, Ph.D.....Instructor in Zoölogy
GEORGE PHILIP KRAPP, Ph.D.....Instructor in English
NELLIS B. FOSTER, M.D....Instructor in Physiological Chemistry and Assistant in Applied Therapeutics
LEWIS F. FRISSELL, M.D.....Instructor in Physical Diagnosis
WALTER S. REYNOLDS, M.D....Instructor in Genito-Urinary Diseases
LINSLEY RUDD WILLIAMS, A.M., M.D...Cbief of Clinic and Instructor in Medicine
CHARLES H. JAEGER, M.D.....Chief of Clinic and Instructor in Orthopædic Surgery

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Demonstrators

HENRY E. HALE, M.D.....Demonstrator of Anatomy

HAVEN EMERSON, M.D. . . . . Demonstrator of Physiology and Assistant in Medicine
WILLIAM DARRACH, M.D. . . . . Demonstrator of Anatomy and Instructor in Surgery
LEANDER H. SHEARER, M.D. . . . . Demonstrator of Physiology and Assistant in Medicine
GEORGE A. TUTTLE, M.D. . . . . Demonstrator in Pathological Anatomy
ARTHUR WALKER BINGHAM, A.B., M.D. . . . . Demonstrator of Physiology
CHARLES RUSSELL LOWELL PUTNAM, M.D. . . . . Demonstrator of Anatomy
HERMANN VON W. SCHULTE, M.D. . . . . Demonstrator of Anatomy and Assistant in Applied Therapeutics
HARRY M. KEATOR, M.D. . . . . Demonstrator of Physiology
HORST OERTEL, M.D. . . . . Demonstrator in Pathological Anatomy
FREDERICK T. VAN BEUREN, Jr., M.D. . . . . Demonstrator of Anatomy and Assistant in Surgery
JOSEPH GRANT YOCUM, M.D. . . . . Demonstrator of Physiology (12)

Tutors

SAMUEL OSGOOD MILLER, C.E. . . . . Tutor in Drawing
CAVALIER HARGRAVE JOÜET, Ph.D. . . . . Tutor in Analytical Chemistry
DAVID BOVAIRD, M.D. . . . . Tutor in Medicine
EVAN M. EVANS, M.D. . . . . Tutor in Medicine
EDMUND L. DOW, M.D. . . . . Tutor in Medicine
JOHN DRISCOLL FITZ-GERALD, II, Ph.D. . . . . Tutor in the Romance Languages and Literatures
THOMAS H. HARRINGTON, C.E. . . . . Tutor in Drawing
VICTOR J. CHAMBERS, Ph.D. . . . . Tutor in Organic Chemistry
EVERETT J. HALL. . . . . Tutor in Analytical Chemistry and Assaying
TRACY ELLIOT HAZEN, Ph.D. . . . . Tutor in Botany
ARTHUR COLON NEISH, Ph.D. . . . . Tutor in Chemistry
[1] VIRGINIA C. GILDERSLEEVE, A.M. . . . . Tutor in English in Barnard College
CHARLES H. ELLARD, A.M. . . . . Tutor in Analytical Chemistry
HAL T. BEANS, Ph.D. . . . . Tutor in Analytical Chemistry
BERGEN DAVIS, Ph.D. . . . . Tutor in Physics
CHARLES P. BERKEY, Ph.D. . . . . Tutor in Geology
ROSCOE GUERNSEY, Ph.D. . . . . Tutor in Greek
HENRI F. MULLER, B. ès L. . . . . Tutor in the Romance Languages and Literatures
ELEANOR KELLER, A.B. . . . . Tutor in Chemistry in Barnard College

[1] Absent on leave.

FRANK S. MEARA, M.D.....Tutor in the Diseases of Children
WILLIAM HENRY YATES, C.E.....Tutor in Civil Engineering
WILLIAM S. DAY, Ph.D.....Tutor in Physics
ANNINA PERIAM, Ph.D.....Tutor in the Germanic Languages and Literatures in Barnard College
GUSTAVE M. MEYER, Ph.D.....Tutor in Physiological Chemistry
CLIFFORD T. SWART, Mech.E.....Tutor in Mechanical Engineering
MAURICE A. LAMME, B.S.....Tutor in Mineralogy
FREDERICK W. J. HEUSER, A.M.....Tutor in the Germanic Languages and Literatures
ARTHUR RAY MAXSON, A.M.....Tutor in Mathematics
EDWARD F. KERN, B.S., Ph.D.....Tutor in Metallurgy
WILLIAM H. BUSSEY, Ph.D .....Tutor in Mathematics
FLOYD J. METZGER, Ph.D.....Tutor in Chemistry
IDA HELEN OGILVIE, Ph.D.....Tutor in Geology in Barnard College
MARGARET A. REED, A.B.....Tutor in Zoölogy in Barnard College
WALTER B. PITKIN, A.B..... .....Tutor in Philosophy
JOHN G. BOWMAN, A.M.....Tutor in English
ALVAN A. TENNEY, A.M.....Tutor in Sociology
JOHN G. GILL, Ph.D.....Tutor in the Romance Languages and Literatures
T. LESLIE SHEAR, Ph.D.....Tutor in Classical Philology
LEWIS P. SICELOFF, A.B.....Tutor in Mathematics
(39)

Lecturers and other Special Officers of Instruction

ABRAHAM YOHANNAN, Ph.D.....Lecturer in Oriental Languages
GEORGE JAMES BAYLES, Ph.D.....Lecturer in Ecclesiology
ALEXIS A. JULIEN, Ph.D.....Curator in Geology
ERNST D. RICHARD, Ph.D.....Lecturer on the History of German Civilization
CHARLES FORBES, M.D.....Curator in Physics
CLARK WISSLER, Ph.D.....Lecturer in Anthropology
ADOLPH F. BANDELIER..... Lecturer in American Archæology
CHARLES A. BEARD, Ph.D .....Lecturer in History and Political Science
BERTHOLD LAUFER, Ph.D....Lecturer in Anthropology and Assistant in Chinese
DICKINSON S. MILLER, Ph.D.....Lecturer in Philosophy
PAULINE HAMILTON DEDERER, A.B....Lecturer in Zoölogy in Barnard College
JOHN V. VAN PELT..Diplomé E.D. B.-A.....Associate Director of Atelier
JOHN R. POPE, Ph.B.....Associate Director of Atelier
WILLIAM B. PARKER, A.B.....Lecturer in English
GRACE A. HUBBARD, A.M.....Lecturer in English in Barnard College

ALGERNON DE V. TASSIN, A.M.....Lecturer in English
MYRON SAMUEL FALK, Ph.D.....Lecturer in Civil Engineering
WENDELL T. BUSH, Ph.D.....Lecturer in Philosophy
ROBERT J. LAU, Ph.D.....Gustav Gottheil Lecturer in Semitic Languages
VIVIAN A. C. HENMON, Ph.D.....Lecturer inPsychology
HARWOOD HOADLEY, A.B.....Lecturer in Classical Philology
GUY A. TAWNEY, Ph.D.....Lecturer in Philosophy
ALFRED HAYES, Jr., A.M., LL.B..... Lecturer in Law
WILLIAM ADAMS DELANO, A.B.....Associate Director of Atelier
DINO BIGONGIARI, A.B...Lecturer in the Romance Languages and Literatures and Assistant in Latin
NATHAN ABBOTT, A.B., LL.B.....Lecturer in Law
CHARLES H. AYRES, A.B., LL.B.....Lecturer in Law
ALEXANDER O. BECHERT, A.M....Lecturer in the Germanic Languages and Literatures
GOLDTHWAITE H. DORR, A.B., LL.B.....Lecturer in Law
JOHN L. GERIG, Ph.D....Lecturer in the Romance Languages and Literatures
PAUL L. HAWORTH, A.M.....Lecturer in History
WILLIAM JAMES, M.D., LL.D....Non-resident Lecturer in Psychology
JOHN W. CUNLIFFE, M.A., Litt. D.....Lecturer in English
FRANCIS A. NELSON, B.S..Diplomé E.D.B.-A. Lecturer in Architecture
EDWARD L. STEVENSON, Ph.D.....Lecturer in Geography
ALLAN F. WESTCOTT, A.M.....Lecturer in English
ALBERT C. WHITAKER, Ph.D....Lecturer in Economics and Social Science
ARTHUR JULIUS METTLER, B.S.....Lecturer in Analytical Chemistry
SAMUEL R. WILLIAMS, Ph.D.....Lecturer in Physics
FREDERIC TABER COOPER, Ph.D.....Lecturer in Latin
ERNEST S. HOLCOMBE, M.E.....Lecturer in Electrical Engineering
MORRIS R. COHEN, Ph.D.....Lecturer in Philosophy

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Assistants

FLORA E. HARPHAM, A.M.....Computor at the Observatory
D. STUART DODGE JESSUP, M.D.....Assistant in Clinical Pathology and in Medicine
CHARLES E. BANKER, M.D.....Assistant in Histology
WILLIAM C. UHLIG, Ph.D.....Assistant in Analytical Chemistry
CHARLES H. SMITH, M.D.....Assistant in Histology and Embryology
KARL M. VOGEL, M.D.....Assistant in Pathology
WILLIAM N. BERG, B.S.....Assistant in Physiological Chemistry
CAMILLE A. TOUSSAINT, A.M.....Assistant in Mathematics
WILLIAM H. WELKER, B.S.....Assistant in Physiological Chemistry

CLINTON BEECHAM KNAPP, M.D.....Assistant in Bacteriology and Hygiene
MARION E. LATHAM, A.M....Assistant in Botany in Barnard College
HARRISON R. STEEVES, A.M. .....Assistant in English
HANS ZINSSER, A.M., M.D....Assistant in Bacteriology and Hygiene
CHARLES E. MORRISON, C.E., A.M...Assistant in Civil Engineering
MICCO M. A. FONTRIER, A.B.....Assistant in Mechanics
WILLIAM K. GREGORY, Ph.D.....Assistant in Zoölogy
JAMES S. MACGREGOR, M.S.....Assistant in Mechanical Engineering
WILLIAM SALANT, M.D.....Assistant in Physiological Chemistry
LEON E. WOODMAN, A.M.....Assistant in Physics
MORRIS F. WEINRICH, Mech. E.....Assistant in Drawing
JULIAN BLANCHARD, A.B.....Assistant in Physics
HUGH AUCHINCLOSS, A.B., M.D.....Assistant in Clinical Pathology
HAROLD C. BROWN, Ph.D.....Assistant in Philosophy
NORMAN F. BUTLER, A.B.....Assistant in English
HERMON W. FARWELL, A.M.....Assistant in Physics
CHARLES GALWEY, A.B.....Assistant in English
GEORGE W. HARTWELL, A.M.....Assistant in Mathematics
ALICE HASKELL, A.B.....Assistant in English in Barnard College
MAUDE A. HUTTMANN, A.M....Assistant in History in Barnard College
JAMES M. KENT, M.D.....Assistant in Materia Medica and Therapeutics
OTTO KRESS, B.S.....Assistant in Analytical Chemistry
WILLIAM R. MAY, M.D.....Assistant in Materia Medica and Therapeutics
CHARLES S. MEAD, B.S., A.M.....Assistant in Zoölogy
CHARLES V. MORRILL, Jr., A.M.....Assistant in Zoölogy
LEIGHTON B. MORSE, Ph.B.....Assistant in Physics
CORNELIS OFFERHAUS, Ph.D.....Assistant in Metallurgy
GRACE P. REYNOLDS, A.M...Assistant in Chemistry in Barnard College
AUSTEN FOX RIGGS, A.B., M.D.....Assistant in Medicine
WILLIAM C. RUEDIGER, Ph.M.....Assistant in Psychology
J. EDWIN SINGLAIR, B.S.....Assistant in Mineralogy
ELIZABETH I. THOMPSON, A.B.....Assistant in Botany in Barnard College
PHILIP VAN INGEN, A.B., M.D.....Assistant in Medicine
FREDERIC L. WELLS, Ph.D.....Assistant in Psychology
SAMUEL H. WOODS, M.E.....Assistant in Mechanical Engineering
WARNER BROWN, A.M.....Assistant in Philosophy
CHESTER ARTHUR DARLING, A.M.....Assistant in Botany
SAMUEL SHELTON WATKINS, E.E..Assistant in Electrical Engineering
ADOLPHE MONELL SAYRE, A.B.....Assistant in English
GRACE LANGFORD, A.M.....Assistant in Physics in Barnard College
C. OTTO VON DANNENBERG, B.E..Assistant in Electrical Engineering
FRANK HOUGHTON SEWALL, A.B., C.E..Assistant in Civil Engineering

James C. Greenway, M.D. ..... Assistant in Clinical Pathology
Peter Irving, M.D. ..... Assistant in Clinical Pathology
Henry Van V. Holcomb, M.D. ..... Assistant in Surgery
James I. Russell, M.D. ..... Assistant in Surgery
Alfred Carlyle Prentice, M.D. ..... Assistant in Surgery
Curtenius Gillette, M.D. ..... Assistant in Medicine
Isaac Ogden Woodruff, M.D. ..... Assistant in Medicine
Chauncey C. Chapin, B.S. ..... Assistant in Physics
Kaufman G. Falk, B.S., Ph.D. ..... Assistant in Physical Chemistry
John Norman Pring, M.Sc. ..... Assistant in Electro-Chemistry
Charles S. Fischer, Ph.D., M.D. ..... Assistant in Medicine
(62)

CLINICAL ASSISTANTS AT THE VANDERBILT CLINIC

Officers of instruction holding appointments in addition to that of Clinical Assistant are not included in this list. A complete list of the Clinical Assistants in each subject will be found at the head of the appropriate Departmental Statement.

In Medicine

I. M. Wilzin, M.D.
Morris L. Ogan, M.D.
J. W. Dounce, M.D.
Claude A. Frink, M.D.
George E. Barnes, M.D.
Stanmore L. Cash, M.D.

In Surgery

H. H. M. Lyle, M.D.
William D. Hennen, M.D.
Walter H. Holdridge, M.D.
John D. Kernan, M.D.

In Orthopædic Surgery

Sigmund Epstein, M.D.
John Carling, M.D.
Arthur Shoemaker, M.D.

In Neurology

Charles E. Atwood, M.D.
B. E. Krystall, M.D.
S. P. Goodhardt, M.D.
L. P. Clark, M.D.
L. S. Manson, M.D.
H. R. Humphries, M.D.
Thomas P. Prout, M.D.
G. W. Todd, M.D.
C. F. Haviland, M.D.
E. J. McEntee, M.D.
J. E. Clark, M.D.
J. L. Macumber, M.D.
Charles D. Cleghorn, M.D.
Charles Rosenheck, M.D.

In Gynecology

William L. Bradley, M.D.
Percy H. Williams, M.D.
Harold D. Meeker, M.D.

In Ophthalmology

John A. Jackson, M.D. David H. Levy, M.D.

In Laryngology

(Including Diseases of the Larynx, Pharynx, and Nasal Passages)

A. P. Coll, M.D. C. D. Van Wagenen, M.D.
John Leshure, M.D. T. Joseph Barry, M.D.
F. Conger Smith, M.D. Charles Osgood, M.D.

In Otology

Mathew L. Carr, M.D. Alfred Michaelis M.D.
Frank J. Blodgett, M.D.

In Dermatology

John H. P. Hodgson, M.D. Charles T. Dade, M.D.
John Aldrich, M.D. S. Dana Hubbard, M.D.
J. D. Gold, M.D. Shirley E. Sprague, M.D.
George Howard Fox, M.D.

In Diseases of Children

Lewis M. Silver, M.D. S. V. Haas, M.D.
Albert F. Brugman, M.D. Edward Miller, M.D.
R. H. McConnell, M.D. Herbert B. Wilcox, M.D.
A. B. Yard, M.D. M. H. Sicard, M.D.
Ira S. Wile, M.D.

In Genito-Urinary Diseases

Walter B. Brouner, M.D. J. B. Stein, M.D.
S. W. Fowler, M.D. William Blancard, M.D.

In Applied Therapeutics

F. G. Goodridge, M.D. Charles E. Webster, M.D.
Sigmund Epstein, M.D. Henry C. Becker, M.D.
Meyer Schulman, M.D. Max Nisselson, M.D.
David Kaliske, M.D.

Columbia University in the City of New York

GENERAL STATEMENT

Historical[1]

On October 31, 1754, Letters Patent were issued incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA, and providing for the establishment of a College to be known as Kings College "for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The conclusion of the announcement issued in the same year reads: "A serious, virtuous, and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the learned Languages, and in the Arts of Reasoning exactly, of Writing correctly, and Speaking eloquently: And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce, and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water, and Earth around us, and the various Kinds of Meteors, Stones, Mines and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness both here and hereafter."

In 1784, the Legislature of the State of New York passed an act incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," vesting the property of Kings College in the Regents, and changing the name of the College to Columbia College. In 1787, his was repealed, and a statute passed confirming the Charter of 1754 for Columbia College, and specifying "that the style of the said

[1] The attention of those interested in the historical development of the University is called to *The History of Columbia University* 1754–1904 (pp. xiii + 493) published in Commemoration of the One Hundred and Fiftieth Anniversary of the Founding of Kings College, by the Columbia University Press through The Macmillan Co., New York, and to various articles in the *Columbia University Quarterly*.

corporation shall be, The Trustees of Columbia College in the City of New York."

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained and still continues unchanged. The title to all corporate property is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration and general oversight and control of the affairs of the University.

Organization

In 1896, the Trustees approved the use of the title, Columbia University in the City of New York, and in 1897 the work of the University was begun at Morningside Heights.

The PRESIDENT has charge of the educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees. The principal administrative officers, other than the President, are the Deans, who under the general supervision of the President have immediate charge of the work of the several faculties; the Librarian, the Consulting Engineer, the Secretary of the University, the Registrar, the Bursar, and the Superintendent of Buildings and Grounds.

The UNIVERSITY COUNCIL is a representative body consisting of the President, and the Dean and one elected member from each of the several faculties. Subject to the reserved power of control by the Trustees, it is the function of the Council (*a*) to determine the conditions upon which the degrees of Master of Arts and Doctor of Philosophy shall be conferred, and recommend candidates for these degrees; (*b*) to secure the correlation of courses offered by the several faculties with a view to increasing the efficiency and enlarging the range of University work, encourage original research and adjust all questions involving more than one faculty; (*c*) to make recommendations, both to the Trustees and to the several faculties, concerning the educational administration of the University, and advise the President upon such matters as he may bring before it; (*d*) to appoint all Fellows and University Scholars and, within the limits of the Statutes, make rules for their government.

The University includes the following:

COLUMBIA COLLEGE (see p. 183) offers a program of studies, leading to the degrees of Bachelor of Arts and Bachelor of Science.

Emphasis is placed upon the quality of the student's work rather than upon the time spent in residence, and this combined with the close co-ordination of the work of the Summer Session with that of the College makes it possible for a well prepared candidate to complete the requirements for the bachelor's degree in three and one-half years, three years, or conceivably in a shorter

Schools and Faculties

period for students who by anticipating College work are able to enter with advanced standing. The program provides not only for those students who wish to devote their entire time to undergraduate work, but for those who desire during their collegiate residence to prepare themselves for advanced standing in some professional course of study. As a preliminary to any of its professional courses the University strongly recommends at least two years of collegiate work, and candidates for the professional degrees who are not already college graduates are advised to take advantage of the opportunities offered through Columbia College for a combination of general and professional studies which will lead to the bachelor's degree in arts or science, in addition to a professional degree in law, medicine, applied science, teaching or fine arts, in six years or in some cases in less time.

Barnard College (see p. 318), founded in 1889, is a separate corporation. As an undergraduate college for women, however, it bears the same relation to the educational system of Columbia University as does Columbia College for men. The requirements for admission and the standard of scholarship are of the same grade. The students receive their instruction in the Barnard College buildings. The degree of Bachelor of Arts or Bachelor of Science is conferred upon its graduates by the University on the recommendation of the Faculty of Barnard College. (For the regulations governing candidates for an academic degree and for a diploma in teaching, see p. 176.)

The other faculties of the University offer advanced courses of study and investigation leading to appropriate degrees and certificates in (*a*) law, (*b*) medicine, (*c*) philosophy, education, philology, and letters, (*d*) history, economics and social science, and public law, (*e*) mathematics and natural science, (*f*) applied science, (*g*) fine arts, and (*h*) pharmacy. Women students are not admitted to the courses in law, medicine, or applied science.

The division of the University into faculties and schools neither controls nor limits the student in his freedom of electing, under one or several of the faculties, courses that lead to the degrees of Master of Arts and Doctor of Philosophy (see p. 176). Advanced courses and opportunities for original research leading primarily to these degrees are offered by:

The Faculty of Philosophy (see p. 265), in philosophy and education, psychology and anthropology, classical philology, English, comparative literature, and the Germanic, the Romance, and the Oriental languages;

The Faculty of Political Science (see p. 268), in history and political philosophy, economics and social science, and public law and comparative jurisprudence;

The Faculty of Pure Science (see p. 263), in mathematics, astronomy, physics mathematical and experimental, chemistry, mineralogy,

geology, zoölogy, botany, physiology, anatomy, bacteriology, embryology, and physiological chemistry, and in mining, metallurgy, and engineering (civil, electrical, mechanical, sanitary, and chemical).

The School of Law (see p. 205), established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws.

The College of Physicians and Surgeons (see p. 217), founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine.

The School of Mines (see p. 235), founded in 1863, offers courses of study in mining engineering and in metallurgy, each of four years, leading to a professional degree.

The Schools of Chemistry and Engineering (see p. 235), set off from the School of Mines in 1896, offer courses of study, each of four years, leading to an appropriate professional degree in chemistry and chemical engineering and in civil, sanitary, electrical, and mechanical engineering.

The Faculty of Fine Arts (see p. 299), founded in 1906 and having jurisdiction over the following Schools: Architecture (founded as a department in 1880), Music (founded as a department in 1896), and Design (1906), offers courses of study of indeterminate length leading to appropriate degrees and certificates in Architecture and Music, and in co-operation with the National Academy of Design (an independent corporation, see p. 310), to a certificate in design.

Teachers College (see p. 332), founded in 1888 and chartered in 1889, was included in the University in 1898. It is a separate corporation, but takes academic rank in the University system as a professional school for teachers. It offers the following courses of study: (*a*) graduate courses leading to the doctor's diploma or to the master's diploma; (*b*) professional courses, each of two years, based upon two years of collegiate study, leading to the bachelor's diploma for teachers and supervisors in kindergartens or elementary schools, or for specialists in domestic art, domestic science, fine arts, manual training, music, and physical education; and to the degree of Bachelor of Science in Education.

The College of Pharmacy (see p. 368), is, similarly, a separate corporation. It offers University courses leading to the degrees of Pharmaceutical Chemist and Doctor of Pharmacy.

By agreement with Mr. Joseph Pulitzer of New York, executed July 20, 1903, Columbia University will establish in the future a School of Journalism, for which purpose Mr. Pulitzer has given to the University the sum of one million dollars.

In co-operation with Yale University, courses are offered designed to prepare students for work in foreign countries, either in the service of the United States Government or otherwise. (See p. 263.)

The University maintains a SUMMER SESSION (see p. 376), of six weeks duration, in which are offered courses that are accepted in partial fulfilment of the requirements of certain academic degrees and of the diplomas in teaching.

Through its system of EXTENSION TEACHING (see p. 379), the University offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue subjects included in a liberal education and to make progress, if they so desire, toward a diploma in teaching or an academic degree.

Divisional Organization

In order to present clearly a summary statement of the equipment and the instruction offered in any given group of subjects by the entire University, including Barnard College, Teachers College, and the College of Pharmacy, and to unify and correlate the work of the several departments, the departments are grouped together in divisions, as follows:

BIOLOGY: Anatomy, Bacteriology, Botany, Physiology, Embryology, Physiological Chemistry, and Zoölogy.

CHEMISTRY: Chemistry and Physiological Chemistry.

CLASSICAL PHILOLOGY: Greek and Latin.

EDUCATION (FACULTY OF TEACHERS COLLEGE).

ENGINEERING: Civil Engineering, Electrical Engineering, Mechanical Engineering, and Engineering Drafting.

FINE ARTS: (FACULTY OF FINE ARTS) Architecture, Comparative Literature, Fine Arts, and Music.

GEOLOGY, GEOGRAPHY, AND MINERALOGY: Geology, Geography and Mineralogy.

HISTORY, ECONOMICS, and PUBLIC LAW (FACULTY OF POLITICAL SCIENCE): Economics, Social Economy, Sociology and Statistics, History, and Public Law and Jurisprudence.

MATHEMATICAL AND PHYSICAL SCIENCE: Astronomy, Mathematics, Mechanics, and Physics.

MEDICINE (COLLEGE OF PHYSICIANS AND SURGEONS).

MINING AND METALLURGY: Metallurgy and Mining.

MODERN LANGUAGES AND LITERATURES: Comparative Literature, English, Celtic, Germanic Languages, and Romance Languages.

ORIENTAL LANGUAGES: Chinese, Indo-Iranian Languages, and Semitic Languages.

PHARMACY (COLLEGE OF PHARMACY).

PHILOSOPHY, PSYCHOLOGY, AND ANTHROPOLOGY: Anthropology, Philosophy, and Psychology.

PHYSICAL EDUCATION: Physical Education.

PRIVATE LAW (FACULTY OF LAW).

The Announcements of each College or School,[3] of the Summer

Session, of Extension Teaching, and of the several Divisions, are issued in the form of Bulletins of Information, and may be obtained without charge from the Secretary of the University. Announcements

GENERAL REGULATIONS

Academic Discipline

Under the statutes of the University every student is admitted subject to the disciplinary powers of the University authorities. The President is empowered to administer discipline and to authorize the Deans of the several faculties to do so on his behalf.

Attendance

No degrees are granted by the University for work done *in absentia*, and a minimum residence of one complete academic year (or in the case of the degree of Master of Arts attendance at four Summer Sessions) is required of each candidate for a degree.

The University requires of all students regular attendance upon all stated academic exercises.[1]

REGISTRATION

A student may enter Columbia University as either (1) a matriculated student, accepted by the University as having fulfilled the preliminary qualifications for candidacy for a degree or diploma in teaching; or (2) a non-matriculated student, permitted to attend such courses as he may be qualified to take, but not regarded as a candidate for a degree or diploma in teaching. Non-matriculated students may, however, receive a formal statement as to the satisfactory completion of any course or courses. In the Announcement of each faculty will be found the conditions governing the admission of either matriculated or non-matriculated students to courses under that faculty.

Before attending any University exercises each student must register, *i. e.*, must present himself in person to furnish the information necessary for the University records and to file a statement of the courses he is authorized to pursue (for the matriculation or registration fee, payable but once, see p. 26). The usual time for registration is at the beginning of the academic year. The central office of the Registrar, 109 Library, and the offices at the College of Physicians and Surgeons, 437 West 59th Street, at the College of Pharmacy, 115 West 68th Street, and at Barnard College and Teachers College,

[1] Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance, should make application to the appropriate University authority for equitable relief.

will be open for registration on February 1, 1907, from September 18 to September 24, 1907, and on January 31, 1908. New students may also register on the day following each of these periods.

Students registering later must pay an additional fee of $5.00. They may, however, if unable through no fault of their own to complete their registration, file a provisional statement within the statutory period. Credit for attendance will date from the first day of each half-year, and students will be held directly accountable for absences incurred owing to late registration. In order to qualify for the receipt of their stipends, Fellows and Scholars must report themselves as in residence to the Registrar upon the first day of each half-year.

Withdrawal

An honorable discharge will always be granted to any student in good standing who may desire to withdraw from the University; but no student under the age of twenty-one years will be entitled to a discharge without submitting the written assent of his parent or guardian.

Students are requested, in case of withdrawal from the University during the academic year, to notify the Registrar in writing without delay. No application for a return of fees can be considered unless such notice be given at the time of withdrawal.

The Dean of any faculty may for reasons of weight grant a leave of absence to a student in good standing.

FEES

The regulations of the corporation of Columbia College in the City of New York in regard to fees are as follows. The President is under instructions to withdraw the privileges of any student delinquent in payment after the second Wednesday of each half-year. All regulations as to fees are subject to change by the Trustees at their discretion.

For Matriculation or Registration: Required of all students before entrance, payable but once..... $ 5

For late Registration (see page 25)..... 5

For Tuition, payable at the beginning of each half-year; if the entire fee be less than $100 the whole must be paid upon registration.

For matriculated students:

In the College, per point (see page 189)..... 5

To be paid for the total number of points for which the student is permitted to register; with extra charges for certain allowed professional courses, not to exceed $100 in any year.

In the School of Law.....per annum 150

In the College of Physicians and Surgeons..... " " 250

In the Schools of Applied Science (exclusive of certain summer course fees, see page 28)....per annum	$ 250
In the Schools of Fine Arts..... " "	150–200
In Architecture the fees are at the rate of $15 per annum for each hour of attendance a week on lectures, with special fees for drawing and design up to a total maximum of	$200
Candidates for the degrees of Master of Arts and Doctor of Philosophy, exclusive of laboratory fees (see page 28) per annum.....	150
With a maximum fee—for courses actually needed to fulfil the requirements of the degree in question—of $150 and $300,[1] respectively, when the course does not exceed, for the master's degree, three, and for the doctor's degree, five years.	
For non-matriculated students (and matriculated students taking part time), at the rate of $15 per annum for each hour of attendance a week on lectures or recitations, with a maximum fee of $150, except that in the School of Pure Science the maximum fee is $200, and that in the schools of Medicine and Applied Science the rate is $25 per annum for each hour, with a maximum fee of $250. For other fees see page 28.	
For all students, matriculated or non-matriculated, in the Summer Session.....	30
For Students in Extension Teaching, see Table of Contents.	
For Examinations, payable in each case before the examination is held:	
For entrance (see pp. 153 *et seq.*).....	$ 5
For any examination or single series of examinations taken at any other time than at the conclusion of a course actually attended.....	5
For the Collegiate degree of Bachelor of Arts or Bachelor of Science.....	15
For any professional or technical degree.....	25
For the degree of Master of Arts.....	25
For the degree of Doctor of Philosophy.....	35
For Use of the Gymnasium :	
Required of all students (men and women) except those of the College of Physicians and Surgeons and the College of Pharmacy.....	7
Gymnasium fee, Summer Session, optional.....	5

For the fees prescribed by the Trustees of Barnard College, Teachers College and the College of Pharmacy see the separately printed Announcements.

[1] Tuition fees paid by a candidate for A.M. will be credited toward the maximum fee for Ph.D. provided there be no change in the choice of major and minor subjects.

Laboratory Fees

The Statutes provide that students registered in any department of the University who are not candidates for a degree, as well as all candidates for the higher degrees, shall be charged, in addition to the prescribed tuition fee, a fee for certain laboratory courses and for the use of laboratories, up to a maximum fee of $250 including tuition. The schedule of such fees, which is now under revision, may be obtained from the Registrar.

Medicine

The charges for non-candidates for a degree pursuing courses under the Faculty of Medicine may be obtained from the Registrar or the Assistant Registrar.

Architecture

Students not matriculated in architecture taking not less than four hours per week of lectures are permitted to register and pay for periods of two months at the rate of $5 per hour weekly of lectures taken. They are charged a fee of $25 for the use of the draughting rooms for the academic year, or $10 for a single period of two months, but in no case are the total fees to exceed $50 for the two months.

Summer Courses in Surveying

Laboratory fees, payable on or before the last Saturday in May, are required as follows: Civil Engineering course No. 15, $25, or $7 per survey; No. 25, and No. 27, $15, or $5 per survey; No. 26, $5; No. 28 and No. 71, $10.

Non-candidates, candidates for admission to and students having entered with advanced standing, who may be required to attend these courses, and students required to repeat them through delinquency, are charged in addition tuition fees as follows: No. 15, $35; No. 25, No. 27, No. 28, and No. 71, $25; No. 26, $10; In the case of a student registered in Columbia College who has paid an additional fee under the operation of this rule, an equitable credit will be made should he later complete the requirements for a professional degree.

For further details as to the administration of these fees, see the special *Announcement of the Summer Courses in Surveying.*

Summer Courses in Mining and in Geodesy

Candidates for admission to advanced standing who attend the Summer Course in Practical Mining are required to pay therefor a fee of $50. All students attending the Summer Course in Geodesy must pay a fee of $20 for the course, to the Bursar at the University. These fees are payable on or before the last Saturday in May.

Deposits for Apparatus Supplies and for Keys to Desks and Lockers

A deposit for the use of lockers, keys, apparatus, material, and the

like, ranging from $2 to $40, is required of students in Applied Science and Architecture. At the end of the year each student will be credited with those articles which he returns in good order, and the value of those he has injured or broken will be deducted from his deposit. Details may be obtained from the Bursar.

Residence Halls and University Commons

(See page 35)

Comparative Statement of Students' probable Expenses for the Academic Year, October to June

BASED ON STUDENTS' STATEMENTS

	Low	Average	Liberal
Matriculation Fee (First Year)	$ 5	$ 5	$ 5
Tuition Fee [1]	150	150	150
Gymnasium Fee	7	7	7
Books	18	30	40 up
Incidentals	7	15	33 "
Residence Hall (39 weeks)	100	128	180 "
Commons (39 weeks)	150	191	236 "
Clothes and Washing	46	80	125 "
All other expenses	24	57	100 "
Total	$507	$663	$876 up

COMMITTEE ON EMPLOYMENT FOR STUDENTS

Professor KEMP, Chairman; Professors FISKE, HUNTINGTON, BURDICK, HUTTON, GIDDINGS, and TODD, and the Secretary, and Registrar of the University, and Secretary of Earl Hall. W. D. KNIGHT, A. B. 1906, Secretary of the Committee.

It is the design of the Committee to aid students, especially those coming from elsewhere than New York or the immediate vicinity, to earn enough for their partial or complete support, and if possible to extend assistance to them in other ways. Many opportunities may be offered to competent students both during the academic year and in vacation if the fact of their desire to obtain employment is made known. Some of the openings available are: private tutoring, translating, copying of various sorts, teaching in evening schools, travelling companions, stenography, and paid social and political work. Communications should be addressed to the Committee.

The Committee hesitates to advise Medical and Engineering Students to undertake outside work of any kind during the academic year.

[1] For Medicine and Applied Science add $100, and for Architecture add $50. Students in Applied Science should also make provision for deposits for apparatus ranging from $10 to $40 and for Summer Courses.

The demands of these courses in lectures and laboratory work are so exacting and inflexible as to make additional responsibilities a greater burden than can, in the great majority of instances, be wisely assumed. In general such students are advised to withdraw for a year in order to earn the money necessary to enable them to give undivided attention to their work while in residence.

In case of a choice of applicants for a position, preference is naturally given to those who have become personally known to members of this Committee or to other officers. No prospective student should come to the University depending entirely or even largely upon the assistance of the Committee, but should be prepared to meet at least the expenses of the first half-year—say two hundred and fifty dollars.

All the heads of clinics in the Medical School have consented to give advice without charge to students who are on the lists of the Committee, and who present cards of introduction from its Secretary. Such visitors are received, as a general rule, during office hours at private offices.

APPOINTMENT COMMITTEES

The duty of these Committees is to assist competent graduates of the University to obtain suitable permanent academic employment.

The Committees keep classified lists of those who wish employment and will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fees are charged for any service rendered by either Committee.

For positions in Colleges and Universities except in the Department of Education

Dr. James Hulme Canfield, Librarian of the University, Chairman; Professors Hutton, Seligman, Cattell, Todd, Kirchwey, Carpenter (G. R.), Wheeler, and Thomas.

Communications in regard to vacancies and recommendations of suitable candidates for the same should be addressed to the Chairman, Library, Columbia University, New York.

For college and university positions in Education, and for Administrative, Supervisory, and Teaching positions in Normal, Secondary, and Elementary Schools and Kindergartens

Professor James E. Russell, Dean of Teachers College, Chairman; Professors Dutton, Kemp, McMurry, Smith (D. E.), and Trent.

Communications should be addressed to the Chairman of the Committee, or to its Secretary, Miss I. L. Pratt, Teachers College, Columbia University, New York.

FELLOWSHIPS, SCHOLARSHIPS AND PRIZES

(See Table of Contents)

RELATIONS BETWEEN THE UNIVERSITY AND OTHER INSTITUTIONS

The educational opportunities of students in Columbia University (including Barnard College, Teachers College, and the New York College of Pharmacy) are increased by the close relations of the University with other institutions of instruction and research.

The Theodore Roosevelt and Kaiser Wilhelm Professorships.

The Theodore Roosevelt Professorship of American History and Institutions in the University of Berlin has been endowed by the gift of $50,000 to the Trustees of Columbia University. Incumbents of the professorship are appointed with the sanction of the German Emperor by the Prussian Ministry of Education upon the nomination of Columbia University. The term of office of incumbent will be one year and he will give instruction in each German language. Incumbents of the chair will be so chosen that in successive years the fields of American history, American constitutional and administrative law, American economic and sociological problems and movements, American education, and American contributions to science, technology, the arts and literature, will be the subject of instruction. The instruction will be given in the University of Berlin during each winter semester, and, may be repeated in whole or in part at some one of the other German universities during the ensuing summer semester. Nominations will not be confined to the members of the staff of Columbia University, but professors in any American institution of learning, or scholars unattached to any university, will be eligible for nomination.

The Prussian Ministry of Education has established in Columbia University a chair of German History and Institutions, to be filled each year by the Trustees of Columbia University upon the nomination of the Prussian Ministry of Education. To this chair the name of the Kaiser Wilhelm Professorship of German History and Institutions has been given, with the approval of the German Emperor.

Incumbents for 1906-07.

Kaiser Wilhelm Professorship: JOHN WILLIAM BURGESS, Ph. D., LL.D. Ruggles Professor of Political Science and Constitutional Law and Dean of the Faculty of Political Science in Columbia University.

Theodore Roosevelt Professorship: HERMANN SCHUMACHER, Ph. D. Professor of Political Science in the University of Bonn.

Appointments for 1907-08.

Kaiser Wilhelm Professorship: ARTHUR TWINING HADLEY, Ph.D., LL.D., President of Yale University.

Theodore Roosevelt Professorship:

American Museum of Natural History

The American Museum of Natural History places its collection at the service of advanced students of Columbia University for the purposes

of study and research, and provides them with the necessary facilities for work. The Director of the Museum is a member of the Faculty of Pure Science of the University.

National Academy of Design

The agreement of February 5, 1906, between the University and the Academy makes provision for the closest relations between the two institutions and for the development of the study of design in New York City. (See page 310). The President of the Academy is now a member of the Faculty of Fine Arts, and the professors in the new departments of painting, sculpture, and in the decorative arts are to be appointed, as financial provision for the chairs is made, upon the joint recommendation of the President of the University and the Council of the Academy.

Metropolitan Museum of Art

The Metropolitan Museum of Art admits students of Columbia University on presentation of cards of introduction from the University, and gives them special facilities for the study of the objects in the Museum. The Director and Assistant Director are members of the Faculty of Fine Arts.

The New York Botanical Garden

Columbia University has the privilege of conducting university courses in botany at the New York Botanical Garden and of using its laboratories and floral material, and all courses of instruction given there are open to officers and students of the University without charge. For a description of the equipment of the Botanical Garden, see the statement of the Department of Botany (page 52).

Theological Seminaries

The Union Theological Seminary and the General Theological Seminary, both of which are represented in the University Council, admit students of high standing in the University to certain lectures in their regular or special courses without tuition fee. The privileges of the Libraries of the Seminaries, for reference, are open to all qualified students of the University. Reciprocal advantages are offered by the University to students of the Seminaries who are qualified to register as candidates for the higher degrees. The General Theological Seminary offers a scholarship to graduates of Columbia College.

The University also enjoys reciprocal arrangements with the other theological seminaries in the vicinity of New York—the Jewish Theological Seminary (New York), Drew Theological Seminary (Madison, N. J.), St. Joseph's Theological Seminary (Yonkers, N. Y.), and the New Brunswick (N. J.) Theological Seminary.

Hospitals

Besides the Vanderbilt Clinic and the Sloane Maternity Hospital, the general and special hospitals of New York afford most important fields for clinical teaching. The College of Physicians and Surgeons is strongly represented on the staff of these institutions, and regular clinical instruction at hospitals is made a prominent feature of the program. Admission is free to all matriculated students of the College of Physicians and Surgeons.

Other Institutions

For the details of the work preparatory to public service offered by Yale University and Columbia University in co-operation, see page 263.

The Director of the New York School of Philanthropy is a professor in the University, and the same reciprocal advantages for students exist as in the case of the Theological Seminaries.

There are the closest informal relations between the University and the Rockefeller Institute of Medical Research, the New York Zoölogical Garden, the New York Aquarium, and the laboratories at Wood's Hole and Cold Spring Harbor. (For the Libraries of the city, see below.)

PUBLIC LECTURES

The University conducts annually a single course of public lectures at the Cooper Union (these are known as the Hewitt lectures), and has made arrangements to conduct similar courses in alternate years at the American Museum of Natural History (the Jesup lectures) and at the Metropolitan Museum of Art. The Hewitt lecturer for 1906–07 is Professor Crampton. During the year many public lectures are also delivered at the University, several of the departments of instruction presenting courses each year. Information as to all public lectures under the auspices of the University will be furnished by the Secretary.

THE LIBRARY

James H. Canfield ..... *Librarian*
Charles A. Nelson ..... *Head Reference Librarian and Editor of Library Publications*
Edward R. Smith ..... *Reference Librarian, Avery Library*
Mary Otis Cox ..... *Reference Librarian, Law Library*
Vladimir Gr. Simkhovitch ..... *Bibliographer*
Margaret Van Zandt ..... *Supervisor, Order Department*
Harriet B. Prescott ..... *Supervisor, Catalogue Department*
Frederic W. Erb ..... *Supervisor, Loan Division, Readers' Department*
Frank C. Erb ..... *Supervisor, Shelf Department*

The Library is open each week-day (except Thanksgiving, Christmas, Good Friday, and Independence Day) from 8.30 A.M. until 11

P.M., October–June; and until 10 P.M., July–September. All officers, students, and graduates of the University have free access to the Library and may draw books for home use.

Officers of the New York University, of the College of the City of New York, of the Metropolitan Museum of Art, and of the American Museum of Natural History are granted the same Library privileges as are extended to graduates of Columbia University.

Persons of mature years desiring to engage in definite research which cannot be successfully conducted in the public or other libraries of this city will be given the privilege of using this Library in the building, upon filing a satisfactory application, responsibly endorsed. Blank applications will be furnished by the Librarian on request.

About 10,000 carefully selected reference books and the most important works on all subjects, in standard editions, representing the leading authors in all literatures, are placed in the general reading-room, directly accessible to all readers.

Connected with the stacks in which are stored the books relating especially to Philosophy, Literature, the Languages, the Sociologic and Economic Sciences, Public Law, and History, are twenty special study rooms, open only to authorized readers; thus affording advanced students and investigators in these fields the fullest opportunity to carry on their work in quiet rooms in the immediate vicinity of the literature of the subjects under consideration. The various Science departments have special libraries in close connection with their laboratories and lecture rooms. A reference library of 4000 volumes has been placed in Hamilton Hall, for the special use of students in Columbia College.

The Library contains about 390,000 volumes, exclusive of unbound pamphlets and duplicates, and some 30,000 German dissertations.

Among the notable special collections may be mentioned the Columbiana, 2000 titles: the Phœnix Library, consisting of 7000 volumes, the gift of Stephen Whitney Phœnix, of the Class of 1859; the Avery Architectural Library, a collection of about 17,000 volumes relating to architecture and decorative art; the Mary Queen of Scots Library, containing 550 volumes, collected and given by General J. Watts de Peyster; the collection of over 1200 volumes by and about Goethe; the Immanuel Kant collection of nearly 1000 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the valuable library of the Holland Society of New York, 600 volumes, including the remarkable collection of works of Grotius; and the Library of the American Mathematical Society, 1200 volumes. The Library is also the depository for the American Association for the Advancement of Science, and for the Reform Club of the City of New York.

The entire Library is carefully and accurately catalogued both by authors and subjects. The catalogue is on cards accessible to readers.

The Bryson Library of Teachers College, the Educational Library of the University, and the carefully selected reference libraries of Barnard College, the College of Physicians and Surgeons and the College of Pharmacy are all available to officers and students of the University. Nearly all of the more private or restricted libraries of the city, for example those of the learned societies, are open to officers and to advanced students introduced by the Librarian of the University.

THE GYMNASIUM

(See page 133)

UNIVERSITY COMMONS

The University Commons, for the accommodation of men living in the Residence Halls, is conducted upon a system combining the *table d'hôte* and *à la carte*. The Commons, which has accommodations for 450 men, is in University Hall and is open daily from 7.30 A.M. to 7 P.M. Under the same management is a large buffet lunch room.

RESIDENCE HALLS

For Men

Hartley Hall, a memorial to the late Marcellus Hartley, and Livingston Hall, named in memory of Robert R. Livingston, of the class of 1765, University dormitories on South Field, with accommodations for 500 men, were opened in September, 1905. Each building is 10 stories in height exclusive of basement, and 137 feet long by 60 feet wide. They are lighted throughout by electricity and heated by steam, with telephone connection on each floor. There are four electric elevators.

The two Halls contain 600 rooms, both single and double, all being outside rooms; their arrangement permits of flexibility in renting the rooms in suites. The average size of the bedrooms is about 8 feet by 14.6. The studies average 10 by 14.6 feet. All rooms are nine feet high. Each bedroom has a clothes-closet and an enamelled basin with hot and cold water, and is provided with heavy oak furniture. There are four shower-baths on each floor.

The only entrance to each building for students is on the side facing the campus, and leads directly into an assembly room 60 feet square. This room runs up through two stories and has a large open fireplace opposite the entrance.

While Hartley Hall and Livingston Hall are open to all male students of the University, students in Columbia College, in accordance with the desire of the donors, Mrs. Helen Hartley Jenkins and Marcellus Hartley Dodge, A.B. '03, are given the preference in the assignment of rooms in Hartley Hall.

The average weekly charge for a single room is $3.30, or $129 for the academic year of thirty-nine weeks. A pamphlet containing floor-plans of the buildings and indicating the charge for each room may be had upon application to the Secretary of the University. The pamphlet contains also the Hall Regulations. Rooms will be assigned in the order of receipt of applications therefor. All such applications should be made in writing on a blank which will be provided by the Superintendent of Buildings and Grounds.

The Residence Halls are supervised and controlled by a Council composed of the Superintendent of Buildings and Grounds, two University officers and a representative from each Hall. The Council is assisted by two Committees made up of residents in the Halls.

For Women

Whittier Hall, a dormitory building under the supervision of the authorities of Teachers College, is situated on Amsterdam Avenue, between 120th and 121st Streets, and has accommodations for 350 women. Inquiries regarding rooms, board, and the like, should be addressed to the secretary of Whittier Hall, 1230 Amsterdam Avenue.

A temporary dormitory for Barnard College students has been provided by the Alumnæ at 515 West 122d Street, to be maintained for the current year only. Brooks Hall, the permanent hall of residence is in process of construction on the north side of 116th Street; it will accommodate 90 students and should be ready for occupancy in September, 1907. For details apply to the Secretary, Barnard College.

Other Living Accommodations

Besides these dormitories, there are many good boarding-houses and apartments near the University. The careful selection, inspection, and registration of such lodgings, etc., have been undertaken, and a card-catalogue of apartments, rooms, etc., is kept at Earl Hall.

MEDICAL VISITOR

For the benefit of those members of the University who are without family physicians in New York City the Trustees have designated a Medical Visitor of the University, whose duties are to render medical assistance to such officers and students as may desire it, either at their homes or elsewhere, at a remuneration to be arranged between himself and individual patients. The Medical Visitor is Dr. D. S. D. Jessup, whose office is at No. 301 West 108th Street (telephone 2741 Riverside). His office hours are from 5 to 6 P.M. daily, or by appointment at his office.

EARL HALL

Earl Hall, the home of the religious, philanthropic, and social organizations and interests of the University, is open from 8.30 A.M.

to 10 P.M. daily, to all students without expense, under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

The building may not be used for distinctly dogmatic or denominational religious teaching. All organizations the objects of which are to promote the religious and philanthropic life of their student members and of the student body at large have the privilege of holding their meetings in this building. While the social purposes of the Hall are necessarily subordinated to the other uses of the building, the Secretary desires to promote the same type of informal personal and social intercourse that prevails in a good club.

Provision for the regular meetings of student organizations is made, on a day-and-hour schedule, without exclusive use of any of the rooms, in the following order: societies the purpose of which is (1) primarily religious; (2) primarily philanthropic; (3) primarily literary, and (4) miscellaneous student organizations.

PUBLIC WORSHIP AND RELIGIOUS WORK

St. Paul's Chapel, for which provision has been made through the generosity of anonymous donors, is to be opened February 3, 1907. Details as to the hour of the daily religious service, the office hours of the Chaplain, and the like will be announced later. In all about 1100 sittings will be provided, of which 120 are in the choir.

STUDENT ORGANIZATIONS

The various student organizations, athletic and other, are self-governing, but all budgets for expenditures must be approved by the Comptroller of Student Organizations, an officer appointed by the President; and each organization is required to keep an accurate record of its financial operations in the office of the Comptroller. The schedules of each team or other organization representing the University before the public are under the supervision of the Committee on Student Organizations. The President has also appointed a University Committee on Athletics, consisting of three graduates and two students, with the Chairman of the Committee on Student Organizations and the Medical Director of the Gymnasium, and empowered it to adopt and administer rules of eligibility, not involving questions of scholarship, and to govern the participation of students of Columbia University in intercollegiate athletics in accordance therewith. A pamphlet giving full information regarding the organization and administration of athletic sports and other student organizations at the University may be obtained from the Secretary of the University.

DIVISIONAL AND DEPARTMENTAL STATEMENTS

INTRODUCTORY

The courses of instruction are numbered in accordance with a plan uniform throughout the University, and attention is called to the following information which the number assigned to a course will in each case indicate:

Odd numbers indicate the first, even numbers the second half of the academic year. Courses designated **1–2, 21–22,** etc. run through both half-years. Courses numbered between **1** and **100** are, in general, elementary and may not be offered in fulfilment of the requirements for the higher degrees (A.M. and Ph.D.). Courses numbered from **101–200** are primarily for students who hold a first degree but are open to undergraduates who have completed 72 points (for courses in law 94 points), including all prescribed work. In general no such course may be taken without some elementary training in the same or in some allied subject. Courses from **201–300** are restricted to such graduate students as are qualified to pursue the work to advantage. Seminars are numbered from **301** up. Attention is called to the pamphlet entitled *Instruction for Graduate Students leading to the Degrees of Master of Arts and Doctor of Philosophy*, and particularly to the fact that the requirements for the higher degrees are based upon subjects and not upon courses. Students who wish to offer a subject either as a major or minor should, before registration, consult the officers of instruction concerned with regard to their selection of courses.

Courses enclosed in brackets are not offered during 1906–07, and the instructor may withdraw any other course that is not applied for by at least three candidates for a degree.

Any subject of study not appearing in its alphabetical order may be found through the index.

With the exception of the courses in Applied Science, Medicine, and Law, all courses numbered over **101** are open to women upon the same terms as to men, unless specific statement is made to the contrary.

Unless otherwise stated, the number of hours given indicates the hours of classroom work (lectures, conferences, and recitations) per week. When a course involves both classroom work and laboratory or draughting-room work the former will be indicated by *C* and the latter by *L* and *D* respectively. An "afternoon" implies three hours a day, normally from one to four.

Students should note the distinction between a department and a school. For instance, there is in the University both a Department of Architecture and a School of Architecture; Departments of Civil, Electrical, and Mechanical Engineering and a School of Engineering. The Departmental Statements which follow have to do only with the giving of the instruction and the opportunities for research in each special branch of study. The information as to the conditions of admission to the courses, and the academic credit to be received therefor, will be found under the information relating to Colleges and Schools, pages 189 to 339, and in the separately printed *Announcements*.

For the courses to be offered in fulfilment of the requirements for the degrees of Bachelor of Arts or Bachelor of Science, see pages 187 and 324; Bachelor of Laws, see page 206; Doctor of Medicine, see page 226; for the several degrees in applied science, see pages 242–248; and for Fine Arts—architecture, music, and design,—see pages 304, 308, and 311.

It is not possible, within the limits of this volume, to give more than the briefest outline of the courses. In some one of the *Bulletins of Information* published by the University and distributed without charge upon application to the Secretary, a detailed statement will be found of the scope of each course, the manner of treatment, the courses prerequisite, and the like. A list of the *Bulletins* will be found on page 382.

Attention is also called to the fact that, in addition to the following, many courses are offered in the Summer Session and in Extension Teaching. Full information as to these will be found in the *Bulletins* of the Summer Session and of Extension Teaching.

Anatomy

GEORGE SUMNER HUNTINGTON, M.D., Sc.D.....*Professor*
BERN BUDD GALLAUDET, M.D.....*Adjunct Professor*
HENRY E. HALE, M.D.....*Demonstrator*
WILLIAM DARRACH, M.D.....*Demonstrator*
C. R. L. PUTNAM, M.D.....*Demonstrator*
H. VON W. SCHULTE, M.D.....*Demonstrator*
FREDERICK T. VAN BEUREN, Jr., M.D.....*Demonstrator*
ROLFE FLOYD, M.D.....*Lecturer*

None of the courses of the Department of Anatomy are open to women.

Courses

1–2—Vertebrate morphology—Anatomy of the body cavities—Visceral and topographical course—Thorax and abdomen. Lectures combined with demonstrations. 3 hours. Professor HUNTINGTON

3–4—Demonstrations to sections of the class—Cranial osteology;

syndesmology, myology, peripheral nervous system, and angeiology of the head and neck. 1 hour. Dr. SCHULTE

5–6—Demonstrations to sections of the class—Osteology, syndesmology, myology, peripheral nervous system, and angeiology of the extremities. 2 hours. Drs. DARRACH and VAN BEUREN

These courses are so arranged as to maintain, with reference to the subjects treated, a direct connection with the laboratory course in dissection, 7–8.

7–8—Laboratory course—Dissection of the human body. 18 to 20 hours a week, at various hours, for from 3 to 5 periods of 4 weeks each. Professor HUNTINGTON, Professor GALLAUDET, and the DEMONSTRATORS OF ANATOMY

9–10—Laboratory course—Dissection of the human body. 10 to 12 hours a week for from 6 to 11 weeks. Professor HUNTINGTON, Professor GALLAUDET, and the DEMONSTRATORS OF ANATOMY

11–12—Demonstrations to sections of the class—Anatomy of the mouth, pharynx, and larynx—The auditory apparatus—The central nervous system. 3 hours. Professor GALLAUDET

13–14—Demonstrations to sections of the class—Visceral anatomy. This course preserves an organic connection with Course 1–2, and presents for direct examination and demonstration the preparations serving to illustrate that course. 2 hours. Dr. DARRACH

15—Demonstrations to sections of the class—Anatomy of the cranial nerves. 1 hour. Dr. SCHULTE

16—Course in mammalian morphology—Introductory to physiology. 2 hours a week for 8 weeks. Professor HUNTINGTON and Dr. VAN BEUREN

Research

117–118—The laboratory of animal morphology is open for research, under the direction of the professor, to advanced workers. Professor HUNTINGTON

119–120—Comparative morphology of the carpus.

121–122—Comparative morphology of the respiratory apparatus in mammalia, sauropsida, and batrachia.

123–124—Comparative morphology of the central nervous system—Demonstration and laboratory course.

125–126—Comparative myology. (*a*) Appendicular muscles. (*b*) Ventro-appendicular muscles. (*c*) Muscles of the foot.

127–128—Human and comparative morphology of the auditory apparatus.

129–130—Comparative morphology of the upper respiratory passages.

131–132—Comparative morphology of the uro-genital system.

133–134—Cranial topography, advanced course.

135–136—Comparative morphology of the heart and vascular system.

137–138—Comparative morphology of the alimentary tract and digestive glands—Anatomy of the peritoneum.

139–140—Comparative morphology of the cæcum and ileo-colic junction in vertebrates.

141–142—Topography of the pelvic viscera, muscles, and fasciæ.

143–144—Anatomical technology and museum methods.

145—Course of lectures on variation and heredity given at the beginning of the year. Dr. FLOYD

In all courses offered in morphology the work is designed to be laboratory exercises of at least two continuous hours' duration, at any one exercise, supplemented in certain courses by demonstration and study of material contained in the Museum of Human and Comparative Anatomy and in the study collections of the department.

The time required for the above courses, if offered as minors for the degree of A.M. or Ph.D., or if taken as optionals, is half a day per week from October to April.

The demands on laboratory space and teaching force render it necessary to limit the number of candidates admitted to these courses.

A series of university lectures and demonstrations based on the material contained in the morphological museum is given annually. These lectures are incorporated in Course 1–2 and deal with the comparative anatomy of the circulatory, respiratory, alimentary, and uro-genital systems of vertebrates, together with certain portions of the skeletons, as the pectoral and pelvic girdles. The lectures are open to students under the Faculty of Pure Science. Details of subjects and dates will be furnished on application to the department.

Anatomical Laboratories

The laboratory facilities of the Department of Anatomy are very complete. The large general dissecting-room accommodates from 390 to 546 students at a time, working in groups of five or seven, respectively, at one table.

The laboratory for advanced morphological research occupies the third story of the anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the Professor of Anatomy is at the disposal of advanced workers.

Museum of Human and Comparative Anatomy

Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations, both in series of natural groups, and in the comparative and relative positions of organs and systems. Even the approximate attainment of this aim will require much time and work, but sufficient progress has been made to enable the department to offer great facilities for study and research. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced courses, and is largely used in the instruction of the medical undergraduates and in advanced study and research.

During the past year the second floor of the anatomical building has been furnished throughout with suitable exhibition and demonstration stands. It is the intention of the department to install in this space the portion of the collection most used in the medical courses, thus establishing an undergraduate teaching museum which will both increase the efficiency of the sectional demonstrations and render the material upon which they are based available at all times for study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

Anthropology

FRANZ BOAS, Ph.D. ..... *Professor*
LIVINGSTON FARRAND, A.M., M.D. ..... *Professor*
MARSHALL H. SAVILLE ..... *Loubat Professor of American Archæology*
CLARK WISSLER, Ph.D. ..... *Lecturer*
ADOLPH F. BANDELIER ..... *Lecturer*
BERTHOLD LAUFER, Ph.D. ..... *Lecturer*

All courses except 119–120, and 123 are open to women.

Courses

See introductory paragraphs, page 38

1–2—Anthropology, general introductory course—Lectures, essays, and discussions. 2 hours. Professor FARRAND

101–102—General ethnography—Lectures, essays, and discussions. 2 hours. Professor BOAS

103–104—Prehistoric archæology—Lectures, essays, and discussions. 2 hours. Professor SAVILLE and Dr. BERKEY (of the Department of Geology)

105–106—Ethnology—Primitive culture—Lectures, papers, and discussions. 2 hours. Professor FARRAND

[**107–108**—Ethnography of America and Siberia. 2 hours. Professor BOAS]

111–112—Archæology and ethnography of China with special reference to Farther India and Central Asia. 2 hours. Dr. LAUFER

113—Ethnography of Japan, Korea, and Formosa. 1 hour. Dr. LAUFER

115–116—Archæology of Mexico and Central America. 2 hours. Professor SAVILLE

117–118—American languages—Lectures and discussions. 2 hours. Professor BOAS

129–130—American languages—Advanced course. 2 hours. Professor BOAS

119–120—Morphology with special reference to Physical Anthropology. Professor HUNTINGTON

121–122—Anthropometry. 2 hours lectures and 3 hours laboratory. Professor BOAS

123—The statistical treatment of anatomical and physiological data. 1 hour. Professor BOAS

125–126—Early Spanish sources for American ethnography. 2 hours. Mr. BANDELIER

127—Archæology of Peru. 1 hour one half-year. Mr. BANDELIER

301–302—Seminar in ethnology. 2 hours biweekly. Professor BOAS

201–202—Research work in anthropology. Professors BOAS, FARRAND, and SAVILLE, and Dr. LAUFER

Laboratory work in Physical Anthropology is carried on in the Anatomical Department of the University and in the Anthropological Department of the American Museum of Natural History.

The collections and apparatus of the American Museum of Natural History may be used by students of Anthropology. The extensive collections of ethnological and archæological material in the Museum are utilized in connection with the lectures given in the department and are available for research work.

Architecture

ALFRED D. F. HAMLIN, A.M. . . . *Professor of the History of Architecture*
FRANK DEMPSTER SHERMAN, Ph.B. . . . . *Professor of Graphics*
MAXIMILIAN K. KRESS, A.M. . . . . *Adjunct Professor of Architecture*
CHARLES FOLLEN MCKIM, Litt.D. . . . . *Director of Atelier*
THOMAS HASTINGS, Diplomé E.D.B.-A. . . . . *Director of Atelier*
CHARLES A. HARRIMAN . . . . . *Instructor in Architectural Drawing*

GRENVILLE T. SNELLING, B.S. . . *Instructor in Architectural Engineering*
CHARLES P. WARREN, A.M. . . . . *Tutor in Architectural Construction*
WILLIAM A. DELANO, A.B. . . *Tutor in Architectural Drawing and Design*
JOHN V. VAN PELT, Diplômé de l' École des Beaux-Arts. . . . *Associate Director of Atelier*
JOHN RUSSELL POPE, Ph.B. . . . . *Associate Director of Atelier*
FRANCIS A. NELSON, B.S. . . . . *Lecturer in Architecture*
EDWARD R. SMITH, A.B. . . . . *Curator of the Avery Library*

WILLIAM R. WARE, LL.D. . . . . *Emeritus Professor of Architecture*

Courses

See introductory paragraphs, page 38

1—The elements of architecture—[The five orders, and other fundamental forms, mouldings, the orders, intercolumniation and superposition, balustrades, arcades, doors, windows, roofs, spires, vaults, domes.] 1 hour. Mr. HARRIMAN

2—Applied elements—Exercises in application of the orders and other features in elementary design. 12½ hours. Mr. HARRIMAN

3—Architectural drawing—Drawing and rendering of plans, elevations, sections, and details; measured drawings from buildings. 12½ hours. Mr. HARRIMAN

5—Graphics—Shades and shadows, projections and intersections. *C* 2 hours, *D* 2 hours. Professor SHERMAN

6—Perspective. 2 hours. Twelve plates required. Professor SHERMAN

7—Descriptive geometry. *C* 2 hours, *D* 2 hours. Twelve plates required. Professor SHERMAN

8—Stereotomy. 2 hours. Professor SHERMAN

9–10—Graphical analysis—Applications of graphical methods to mathematical computations. 2 hours. Professor SHERMAN

11–12—Specifications. *C* 3 hours, *D* 3 hours. Mr. WARREN

13–14—Building materials. 2 hours. Mr. WARREN

15–16—Elementary structural design. 2 hours. Mr. SNELLING

17–18—Engineering—Graphical statics and applied mechanics; structural problems. *C* 6 hours, *D* 3 hours. Mr. SNELLING

21–22—Ancient architectural history. 3 hours. Professor KRESS

23–24—Mediæval architectural history. *C* 2 hours, with collateral reading (see 43–44), and 12½ hours original research for six weeks. Exercises in historical design (see 61–64). Professors HAMLIN and KRESS

24*a*—Architectural essays—Papers prepared in connection with research on mediæval history. Professor HAMLIN

25–26—Modern architectural history—The Renaissance, modern revivals, and American architecture. *C* 2 hours and 12½ hours research for six weeks. Exercises in historical design (see 61–64). Professors HAMLIN and KRESS

26*a*—Architectural essays—Papers prepared in connection with research on modern history. Professor HAMLIN

31–32—History of ancient ornament. 1 hour. Professor KRESS

33–34—History of mediæval ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

35–36—History of modern ornament—Renaissance and modern ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

41–42—Historical reading in French (in connection with 21–22). 2 hours. Professor KRESS

43–44—Historical reading in French and German (in connection with 23–24). 2 hours. Professor KRESS

51–52—Theory of architecture. 1 hour. Professor HAMLIN and others

53—Theory of decorative arts—Mosaic, stained glass, mural decoration, ceramics, metal-work. 1 hour. Professor HAMLIN and others

54—Theory of color. 1 hour. Professors HAMLIN and HALLOCK

55—Theory of professional practice—[Professional relations, contracts, competitions, conduct of office.] 1 hour. Professor HAMLIN

61–62—Elementary design—Exercises chiefly in composition of exteriors. 14½ hours, first half-year, and for 8 weeks of second half-year. Professors MCKIM and HASTINGS, Messrs. POPE, VAN PELT, DELANO, and NELSON

63–64—Intermediate design—Problems and sketch designs, including both planning and composition. 14½ hours, first half-year, and for 8 weeks of second half-year (see 161 and 261). Professors MCKIM and HASTINGS, Messrs. POPE, VAN PELT, DELANO, and NELSON

71–72—Freehand drawing—Elementary course. 6 hours. Mr. HARRIMAN

S72—Summer work—Drawings and designs to be executed during the summer vacation following the first year of residence

73–74—Freehand drawing—Intermediate course; pen-drawing, water-colors, modelling. 6 hours. Mr. HARRIMAN and Mr. SMITH

S74—Summer work—Drawings and designs to be executed during the second summer vacation

75–76—Drawing from the cast. 5 hours. Mr. HARRIMAN

S76—Summer work—Drawings and designs to be executed during the third summer vacation

77–78—Advanced drawing—From the antique and from life. 6 hours (at the studios of the National Academy of Design)

113–114—Advanced practice. *D* 6 to 12 hours. Mr. WARREN

117–118—Advanced engineering design and calculation (in connection with 113–114). 24 hours. Mr. SNELLING

S128—Advanced essays—Summer vacation essay; thesis dissertation previous to graduation

161–162—Advanced design. 20 to 30 hours. (63–64 pre-requisite.) Professors McKIM and HASTINGS, Messrs. POPE, VAN PELT, DELANO, and NELSON

164—Thesis—Advanced design or research; drawings with accompanying dissertation. 20–30 hours for 8 to 12 weeks previous to graduation. Professors McKIM and HASTINGS, Messrs. POPE, VAN PELT, DELANO, and NELSON

213–214—Graduate course in practice—Original investigations and accompanying reports on heating, ventilation, electric installation, and acoustics. 6 hours. Mr. WARREN

217–218—Graduate course in engineering—Four advanced problems in structural design of complex buildings. 20 to 30 hours. Mr. SNELLING

221–222—Graduate essays—Original research with accompanying reports; investigation, analysis, and criticism of architecture. 4 to 6 hours. Professor HAMLIN

261–262—Graduate design—Advanced problems in monumental design, landscape grouping, etc. 20 to 30 hours. Professors McKIM and HASTINGS, Messrs. POPE, VAN PELT, DELANO, and NELSON

Astronomy

HAROLD JACOBY, Ph.D.....*Rutherfurd Professor*
CHARLES LANE POOR, Ph.D.....*Professor*
S. ALFRED MITCHELL, Ph.D.....*Instructor*
JOHN KROM REES, E.M., Ph.D.....*Emeritus Professor*

Courses

See introductory paragraphs, page 38

The courses in Geodesy are not open to women.

1–2—General astronomy—Historical and descriptive. 2 hours. Pro-

fessor POOR, and for work in the Wilde Observatory, Professor JACOBY.

103–104—Spherical and practical astronomy—A more mathematical treatment, including practical use of instruments. 2 hours lectures and 2 hours observatory work. Professor JACOBY

105—Geodesy—Brief history of geodetic operations and description of instruments, including their adjustment and use. 2 hours. Dr. MITCHELL

106—Geodesy—Applications of practical astronomy to geodetic surveying. 2 hours. Dr. MITCHELL

S107—Geodesy—Summer course in practical geodesy. Given in the field, each student making his own observations and calculations

Six weeks of practical work from June 1, at Osterville, Mass. Professor JACOBY and Dr. MITCHELL with assistants

109—Geodesy—Derivation of formulæ used in summer-course work, adjustment of observations, followed by several lectures on descriptive astronomy. 2 hours. Dr. MITCHELL

201–202—Advanced spherical and practical astronomy—Deals with the subjects of time, latitude, and longitude. 2 hours lectures and 4 hours observatory work for two years. Professor JACOBY

203–206—Theoretical astronomy—Theory of comet orbits with practical applications. 1 hour, supplemented by computation, for two years. Professor POOR

207–210—Theory and method of reduction of photographic star plates—Determination of star places. 1 hour, with practical work, for two years. Professor JACOBY

211–212—Method of least squares, with applications to astronomy and geodesy. 1 hour. Professor JACOBY

213–214—Celestial mechanics—Elementary course. 1 hour. Professor POOR

215–218—Advanced course in celestial mechanics. 1 hour for one or two years

219–220—Astronomical spectroscopy. 1 hour supplemented by laboratory work. Dr. MITCHELL

Astronomical and Geodetic Equipment

The new Wilde Observatory contains an equatorial telescope, with clockwork and accessories. The University has also a very complete collection of instruments for the application of astronomy to geodesy: A Bamberg universal combined prismatic transit and zenith telescope of 4-inch aperture. A Wanschaff zenith telescope of 8-cm. aperture, suitable for latitude measures of the highest precision. Two Wanschaff 8-inch microscope theodolites. A Fauth 8- and 10-inch micro-

scope theodolites. Secondary bar base and tape base apparatus, with stretching machines. Complete outfit of engineer's instruments, sextants, apparatus for barometric hypsometry, clocks, chronometers, electric chronographs, etc. Five computing machines.

For the advanced study of astronomy proper, there are special facilities including two Repsold measuring machines of the latest type and a large collection of original astronomical photographs suitable for measurement and reduction. These photographs were made by Gill at the Cape of Good Hope, Rutherfurd at New York, Donner at Helsingfors, Henry at Paris, Campbell at Mt. Hamilton, etc. Ample funds are provided for the publication of researches in astronomical photography. (See University Bibliography.) For research work in astrophysics students have access to the well-equipped laboratories of the Department of Physics.

In addition, there are a number of unmounted instruments including Lewis Morris Rutherfurd's famous 13-inch equatorial, with its attachments.

The University Library is especially strong in astronomy. Among other important collections, it contains the private library of the late Dr. Otto Struve, formerly director of the Pulkowa Observatory. There is also a good working library in the department.

Bacteriology and Hygiene

PHILIP HANSON HISS, Jr., M.D. ..... *Professor of Bacteriology*
AUGUSTUS B. WADSWORTH, M.D. ..... *Instructor in Bacteriology*
CLINTON BEECHAM KNAPP, M.D. ..... *Assistant in Bacteriology and Hygiene*
HANS ZINSSER, M.D. ..... *Assistant in Bacteriology and Hygiene*

Close association is maintained between this department and the departments of Pathology and Clinical Pathology, so as to facilitate instruction and research in these closely allied subjects.

Courses

For the significance of course numbers see page 38

51—Practical instruction in bacteriology and hygiene, especially adapted to the requirements of students of medicine. 4 hours. Professor HISS and Drs. WADSWORTH, KNAPP, and ZINSSER

201—Special laboratory course in advanced bacteriology and bacteriological technique. Afternoons in November, December, and January. Professor HISS and Dr. WADSWORTH

203—Special laboratory course—as under Course 201—with additional time for the study of known species of bacteria, their chemical products, and photomicrography; and original investigation. Professor HISS and Drs. WADSWORTH and LEAMING

Research

Research may be pursued in the laboratories of this department by a limited number of properly qualified, advanced workers, under the direction of the Professor.

Equipment

The Department of Bacteriology occupies the western section of the fifth floor of the north wing of the building of the College of Physicians and Surgeons. It comprises a large laboratory for the accommodation of the undergraduate and advanced classes in bacteriology, a research laboratory for special advanced workers, and rooms thoroughly equipped for the preparation of culture media and for the chemical study of bacterial products.

The laboratories are well equipped with all necessary apparatus and with cold storage facilities. A large collection of bacterial species is kept under cultivation.

Botany

LUCIEN MARCUS UNDERWOOD, Ph.D. ..... *Torrey Professor*
HERBERT MAULE RICHARDS, S.D. ..... *Professor in Barnard College*
CARLTON CLARENCE CURTIS, Ph.D. ..... *Instructor*
TRACY ELLIOT HAZEN, Ph.D. ..... *Tutor in Barnard College*
JEAN BROADHURST, B.S. ..... *Instructor in Teachers College*
CHESTER ARTHUR DARLING, A.M. ..... *Assistant*
MARION ELIZABETH LATHAM, A.M. ..... *Assistant in Barnard College*
ELIZABETH ILSLEY THOMPSON, A.B. ..... *Assistant in Barnard College*

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by the following members of the Garden Staff:

NATHANIEL LORD BRITTON, Ph.D., Sc.D. .. *Emeritus Professor, Director*
WILLIAM ALPHONSO MURRILL, Ph.D ..... *First Assistant*
JOHN KUNKEL SMALL, Ph.D ..... *Head Curator of the Museums*
CHARLES STUART GAGER, Ph.D ..... *Director of the Laboratories*
PER AXEL RYDBERG, Ph.D ..... *Curator*
ARTHUR HOLLICK, Ph.D ..... *Curator*
MARSHALL AVERY HOWE, Ph.D ..... *Curator*
GEORGE VALENTINE NASH ..... *Curator of the Plantations*
HENRY HURD RUSBY, M.D ..... *Dean of the College of Pharmacy and Curator of Economic Collections*
WILLIAM J. GIES, M.S., Ph.D ..... *Professor of Physiological Chemistry and Consulting Chemist, New York Botanical Gardens*

Partial courses are also given by:

ELIZABETH GERTRUDE BRITTON
EDWARD SANDFORD BURGESS, Ph.D.

The undergraduate courses in Botany are designed to give a broad general knowledge during the first year, and to permit some specializa-

tion thereafter. Graduate courses imply the completion of at least three undergraduate courses.

Courses

See preliminary paragraphs, page 38

1–2—Nature and development of plant life. *C* 2 and *L* 4 hours. Dr. CURTIS and Mr. DARLING

3—Morphology of higher plants—Involving field work on adaptation of structure to physical conditions. *C* 2 and *L* 4 hours. Dr. CURTIS

4—Morphology of some group or groups of the lower plants. *L* 6 hours. This course naturally follows Course 3, to complete an elective for the year. Mr. DARLING

5—Problems in botanical technique. *L* 6 hours. Dr. CURTIS

6—Economic botany—Study of plants useful to man. *C* 1, *L* 3 hours. Professor UNDERWOOD

7—Lectures on general botany—A brief review of the characters and relations of plants, with special attention to the study of timber trees and their identification. 1 lecture, assigned reading, field and laboratory work. Professor UNDERWOOD and Mr. DARLING

101–102—Plant physiology—A course in experimental physiology supplemented by selected readings and conferences. 2 laboratory sessions. Dr. CURTIS

NOTE.—In this and other courses in plant physiology the nature of the work occasionally requires attendance at the laboratory at unusual times.

Courses 201–239 are research courses, consisting of field or laboratory work, or both, for not less than ten hours for one year. Courses 233–4 and 235–6 require at least two years, including summer work in the field, and 201–2, 203–4, 207–8, 209–10, 217–18, three years each.

201–202—General physiology—Problems in absorption, excretion, nutrition, and transformation of energy, growth, the general irritable organization of the plant, and the mechanism of its movements. Dr. CURTIS and Professor RICHARDS

203–204—Physiological anatomy—Problems in the relationships of tissues and functions. Dr. CURTIS

205–206—Physiology of the cell—Problems in the chemical and the physical properties, movements, and irritability of unicellular and other generalized organisms. Professor Richards

207–208—Physiology of nutrition—Treated from a chemical standpoint. Professor RICHARDS and Professor GIES

209–210—Ecological physiology—Problems in adaptive reactions in

form, structure, and movements to external energy and environmental factors. Drs. GAGER and CURTIS

211–212—General plant pathology. Also problems in immunity and effects of unfavorable environment. Two summers in the field. Dr. MURRILL

213–214—Morphology of spermatophyta—Study of the structure and development of the seed plants. Professor RICHARDS and Dr. CURTIS

215–216—Experimental morphology—A study of the variation of form and structure, and the determination of the causes. Professor RICHARDS and Drs. CURTIS and GAGER

217–218—Embryology of spermatophyta. With special work during two summers. Dr. CURTIS

219–220—Morphology of pteridophyta—Study of the structure and development of the ferns and fern-allies. Professor UNDERWOOD

221–222—Morphology of bryophyta, with special reference to the diagnostic characters and relationships of the principal families and genera. Professor UNDERWOOD, Dr. HOWE, and Mrs. BRITTON

223–224—Morphology of algæ, with special reference to the diagnostic characters and relationships of the principal families and genera. Dr. HOWE, Professor RICHARDS, and Dr. HAZEN

225–226—Morphology of fungi—Study of the structure, polymorphism and development of the fungi, including culture methods. Dr. MURRILL and Professor UNDERWOOD

227–228—Taxonomy of spermatophyta—Study of the principal families. Professor BRITTON, Drs. SMALL and RYDBERG

229–230—Taxonomy of gramineæ—Study of the diagnostic characters and relationships of the principal genera. Mr. NASH

231–232—Taxonomy of pteridophyta—Study of the diagnostic characters and relationships of the principal families and genera. Professor UNDERWOOD

233–234—Special taxonomy—Critical study of a family or genus of plants of not less than fifty species. The group may be chosen from the entire range of the vegetable world. Field, herbarium, laboratory, and garden work. Directed, according to the group chosen, by Professor UNDERWOOD, Professor BRITTON, Dr. HOWE, Dr. SMALL, Dr. RYDBERG, Mr. NASH, Professor BURGESS, and Mrs. BRITTON

235–236—Regional botany—Collection, determination, and comparative study of the plants of some restricted area. Professors UNDERWOOD and BRITTON

Pre-requisite: three years' work in botany.

237–238—Plant geography—Occurrence, characters, and arrangement of groups and formations. Relations of plant societies to one

another, and to topographic, climatic, and other conditions. Factors governing distribution. Professors BRITTON, RICHARDS, and Dr. CURTIS

239–240—Developmental taxonomy—Fossil ancestors of some family of plants. Dr. HOLLICK

In Barnard College

51–52—Elementary botany—5 hours, lectures, demonstrations, and laboratory work. Professor RICHARDS and Miss LATHAM

53–54—General morphology and development of plants—*C* 2, *L* 4 hours,

Two additional hours of laboratory work may be taken, in which case Botany 53–54 will count as five points.

55–56—Morphology and ecology of phanerogams—With practice in determination of species. 4 hours.

153—Anatomy of vascular plants—*C* 2 and a minimum of *L* 6 hours. Professor RICHARDS

154—Physiology of plants from standpoint of nutrition—*C* 2 and a minimum of *L* 6 hours. Professor RICHARDS

[156—Physiology of plants from standpoint of growth—*C* 2 and a minimum of *L* 6 hours. Professor RICHARDS]

158—Structure and development of algæ—Advanced course. *C* 1, *L* 6 hours. Professor RICHARDS and Dr. HAZEN

Equipment

The Department of Botany occupies the third floor of Schermerhorn, and the laboratories and lecture-rooms are thoroughly equipped for undergraduate work. A large general laboratory, lecture-room, and morphological and physiological laboratories are supplied with modern instruments for instruction and experiment. A sufficient number of standard botanical works and serials on the subject are reserved for students' use in the general laboratory.

Graduate courses are conducted at the Museum of the New York Botanical Garden. By the agreement entered into between the University and the Garden, all the botanical collections and library of the University (except such works as are needed in the undergraduate courses) have been deposited in the Museum of the Botanical Garden at Bronx Park; the Garden on its part supplies all needed facilities for research for members of the staff and for properly accredited students. This combination of forces not only places the Department of Botany within reach of material equipment and collections not otherwise available, but opens up facilities for research work under conditions that are not excelled.

The Museum of the New York Botanical Garden is located in Bronx

Park, and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. The present floor-space is more than 19,000 square feet. Among the special features provided are to be mentioned the dark rooms, photographic, operating, and balance room, laboratory for physiological chemistry, constant-temperature chambers, and sky-lighted apartment for living plants which is furnished with a suitable aquarium. Ample opportunity for experimental work is afforded by the open-air plantations and extensive horticultural houses.

The Columbia herbarium and the equally extensive collections of the New York Botanical Garden are housed in the large room in the east wing of the Botanical Museum. The cryptogamic collections are arranged in special rooms. The entire aggregation of collections available for students is exceptionally full in every group of plants, from slime moulds to composites.

The portion of the University Library classified under Botany is deposited in the library stack-room of the Museum building, where it can be consulted in connection with the extensive supplementary collection now owned by the New York Botanical Garden. There are about 5000 bound volumes and 4000 pamphlets and extracts; the Garden library supplements this by over 10,000 volumes. All the regularly published journals devoted to Botany proper (over one hundred) are received, and the sets of all are complete.

Two series of publications are issued from the department: a quarto series known as the *Memoirs of the Department of Botany*, of which two volumes have been published; and the *Contributions from the Department of Botany*, in octavo, which have commenced the tenth volume.

Chemistry

Charles F. Chandler, M.D., Ph.D., LL.D., D.Sc...*Mitchill Professor of Chemistry*
Charles E. Pellew, E.M.....*Adjunct Professor of Chemistry*
[1] Edmund H. Miller, Ph.D.....*Professor of Analytical Chemistry*
Marston Taylor Bogert, A.B., Ph.B., *Professor of Organic Chemistry*
J. Livingston Rutgers Morgan, Ph.D.....*Professor of Physical Chemistry*
[2] James S. C. Wells, Ph.D..*Adjunct Professor of Analytical Chemistry (Qualitative)*
Henry C. Sherman, Ph.D...*Adjunct Professor of Analytical Chemistry*
Samuel A. Tucker, Ph.B.....*Adjunct Professor of Electro-Chemistry*
Marie Reimer, Ph.D.....*Instructor in Chemistry (Barnard)*

[1] Died November 8, 1906.
[2] Absent on leave.

CAVALIER HARGRAVE JOÜET, Ph.D.....*Tutor in Analytical Chemistry*
VICTOR J. CHAMBERS, Ph.D.....*Tutor in Organic Chemistry*
EVERETT J. HALL.....*Tutor in Analytical Chemistry and Assaying*
ARTHUR C. NEISH, Ph.D.....*Tutor in Chemistry*
CHARLES H. ELLARD, A.M..*Tutor in Analytical Chemistry (Qualitative)*
HAL T. BEANS, Ph.D.....*Tutor in Analytical Chemistry (Qualitative)*
ELEANOR KELLER, A.B.....*Tutor in Chemistry (Barnard)*
FLOYD J. METZGER, Ph.D.....*Tutor in Chemistry*
ARTHUR J. METTLER, B.S.....*Lecturer in Analytical Chemistry (Qualitative)*
WILLIAM C. UHLIG, Ph.D.....*Assistant in Analytical Chemistry (Qualitative)*
OTTO KRESS, B.S.....*Assistant in Analytical Chemistry*
GRACE POTTER REYNOLDS, A.M...*Assistant in Chemistry (Barnard)*
KAUFMAN G. FALK, Ph.D.....*Assistant in Physical Chemistry*
JOHN N. PRING.....*Assistant in Electro-Chemistry*

For the officers in the Department of Physiological Chemistry and in the College of Pharmacy, see Table of Contents.

Courses

	Undergraduates only.	Graduates and Undergraduates.	Graduates only.
General and inorganic.....	1–19	100–119	200–219
Physical.....	20–39	120–139	220–239
Organic.....	40–59	140–159	240–259
Analytical.....	60–79	160–179	260–279
Industrial.....	80–99	180–199	280–299

See preliminary paragraphs, page 38

Courses given in Havemeyer Hall, numbered between 100 and 200 may be closed to women in the discretion of the Instructor.

1 or 2—General elementary chemistry. *C* 3 hours, *L* 2 afternoons, one half-year. Given both half-years. Dr. NEISH

3–4—General inorganic chemistry. 3 lectures and 1 recitation. Professor CHANDLER and Dr. METZGER

7–8—Inorganic chemistry. *C* 2 hours, *L* second half-year only, 5 afternoons. Professor CHANDLER

101–102—Advanced inorganic chemistry. 2 hours. Professor PELLEW

21–22—Elementary physical chemistry. *C* 3 hours, *L* second half-year only, 1 afternoon. Professor MORGAN and Dr. FALK

37—Theoretical electrochemistry. 2 hours. Professor MORGAN

23–24—Physical chemistry. *C* 2 hours throughout the year, *L* 5 afternoons, second half-year only. Professor MORGAN

121–122—Physical chemistry, general course. *C* 3 hours throughout the year, *L* 1 afternoon, first half-year only. Professor MORGAN and Dr. FALK

221–222—Advanced physical chemistry, laboratory course. Conferences, and *L* at least 16 hours. Professor MORGAN

223–224—Advanced physical chemistry, research. Laboratory work and conferences. Professor MORGAN

61–62—Qualitative analysis. 2 lectures or conferences the first half-year, 3 lectures or conferences for Chemistry second half-year, 2 lectures or conferences for other courses, and laboratory practice. Mr. ELLARD, and Drs. BEANS and UHLIG

65—Quantitative analysis, inorganic, short course for Electric Engineering. *C* 2 hours, *L* 6 hours. Professor MILLER and Dr. JOÜET

66—Quantitative analysis, inorganic, for Mining Engineering. *C* 3 hours, *L* 18 hours. Professors MILLER and SHERMAN and Dr. JOÜET

161–162—Quantitative analysis, short course. 1 lecture and 8 hours laboratory work. Professor MILLER and Mr. KRESS

163–164—Quantitative analysis. *C* 4 hours, *L* 15 hours. Professor MILLER and Dr. JOÜET

167–168—Advanced inorganic analysis. *C* 2 hours, *L* 3 afternoons, first half-year for course in Metallurgy, and 5 afternoons second half-year for students in course in Chemistry who elect thesis work in this course. Professor MILLER

261–262—Quantitative analysis—Special methods, gravimetric volumetric, and electrolytic. Conferences and laboratory work at least 16 hours. Professor MILLER

263–264—Research. Conferences and laboratory work. 20 hours. Original investigation in inorganic analysis or inorganic chemistry. Professor MILLER

171—Quantitative analysis, organic and sanitary. *C* 4 hours, and *L* practice 3 to 6 afternoons. Professor SHERMAN

173–174—Advanced proximate organic analysis. *C* 2 hours, *L* second half-year, 5 afternoons, for students who elect thesis work in this course. Professor SHERMAN

271–272—Special methods of organic analysis and food investigation. Conferences and laboratory work 16 hours. Professor SHERMAN

273–274—Research. Conferences and laboratory work 20 hours. Original investigation in organic analysis or food chemistry. Professor SHERMAN

169 or 170—Assaying—Ores and metallurgical products. *C* 2 hours, *L* 10 hours, first half-year for Mining Engineering and Metallurgy; second half-year for Chemistry. Professor MILLER and Mr. HALL

260—Special methods of assaying ores, alloys, and furnace products —Comparison of methods and determination of losses. Conferences and laboratory work at least 8 hours. Professor MILLER and Mr. HALL

147–148—Organic chemistry, elementary lecture course. 2 hours. Dr. CHAMBERS

43–44—Organic chemistry, elementary laboratory course. 8 hours. Dr. CHAMBERS

141–142—Organic chemistry—Comprehensive treatment of the subject. 4 lectures and 1 recitation, *L* first half-year, 4 afternoons. Professor BOGERT and Dr. CHAMBERS

143–144—Organic chemistry. Conferences, 2 hours, and for students who elect thesis work in organic chemistry *L* second half-year, 5 afternoons. Professor BOGERT

241–242—Advanced organic chemistry, laboratory course. 12 hours. Professor BOGERT

243–244—Advanced organic chemistry, research. Professor BOGERT

81–82—Industrial chemistry, general course. 3 lectures. Professor CHANDLER and Dr. METZGER

83–84, 85–86—Industrial chemistry, special course for students in chemistry. 3 lectures for two years, one half the subject being discussed each year. Professor CHANDLER and Dr. METZGER

87 or 88—Industrial chemistry, laboratory practice for students in chemistry. 2 afternoons. Professor PELLEW

89 or 90—Industrial chemistry, laboratory practice for students in chemistry. Special applications. 1 afternoon. Professor PELLEW

91–92—Chemical microscopy. *L* 2 hours. Professor PELLEW

93–94—Electrochemistry. 2 hours, and in the second half-year 5 afternoons. Professor TUCKER

[97—Chemical factory apparatus and machinery. 3 hours.]

[98—Cost of chemical operations in factories. 3 hours.]

181 or 182—Industrial electrochemistry, laboratory practice for Chemistry. *C* 2 hours and *L* 5 afternoons. Professor TUCKER

295–296—Industrial chemistry, advanced course—Original research. Personal instruction and laboratory work. Professor PELLEW

281–282—Electrochemical research—Original investigations. 16 hours. Professor TUCKER

283–284—Advanced electrochemical research. Private study and original investigations for two years. Professor TUCKER

80 (*a*)—Factory inspection and summer memoir, 2nd year. Professor PELLEW

80 (*b*)—Factory inspection and summer memoir, 3d year. Professor PELLEW

Courses Given at Barnard College

The following courses are given separately at Barnard College: **5–6,** by Miss REIMER and Miss KELLER; **135–136,** by Professor MALTBY; **63,** by Miss KELLER; **64,** by Miss REIMER; **41–42,** by Miss REIMER; **43–44,** by Miss REIMER; **145–146,** an advanced course in Organic Chemistry, by Miss REIMER.

Other Courses

For courses in Chemistry given at Teachers College and for courses in Chemistry and Physiological Chemistry given at the College of Physicians and Surgeons and at the College of Pharmacy, see the Table of Contents and the special Announcements of these Schools.

Equipment

In **Havemeyer Hall** the Chemical Department is provided with ample space for its museum, lecture-rooms, and laboratories, and every convenience has been provided for both the instructors and students working in the general or special courses.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, the desks being equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 316 seats.

The Museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds, inorganic and organic; materials and products illustrating the chemical arts, and numerous models, pictures, and diagrams.

The Qualitative Laboratory has one hundred and eighteen desks, each divided into two sections, and each thoroughly equipped.

The Quantitative Laboratory has eighty-eight desks. Attached to the main laboratory is a large, well-equipped balance room, containing accurate balances, and special rooms, provided with apparatus for gas, water, food, and electrolytic analysis.

The Assay Laboratory is provided with crucible and muffle furnaces, both gas and coal, for the fire assay of ores; also with crushing, pulverizing, and sampling machinery, balance room, storeroom, and thirty-six well-equipped working desks. It also contains all the appa-

ratus necessary for the wet assay of silver bullion and for laboratory tests of ores.

The Organic Laboratory has forty large desks, and is provided with steam, and with special rooms for balances, pressure ovens, glass-blowing, and combustions.

The Laboratory of Industrial Chemistry for the instruction of students in practical operations and the solution of problems in sanitary chemistry and hygiene, is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory with a large stock of dye-stuffs, and with the regular equipment for the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer room, containing a new and complete outfit for the practical testing of illuminants.

It also includes a laboratory for chemical microscopy, newly equipped with microscopes, polarized light apparatus, camera lucidas, etc., for the practical use of the microscope in chemical operations.

A new Laboratory for Practical Electrochemistry has been provided. The equipment consists of special motor-dynamos, one of which furnishes direct current at low voltages to the students' desks for general electrolytic work; the other provides heavy alternating current to the electric furnace room; this room is furnished with all appliances for electric furnace work. The students' desks are fitted with special switchboards and measuring instruments, and the laboratory has been arranged for carrying on research work in all branches of electrochemistry.

The Laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, and electricity as applied to chemical problems.

The Chemical Library in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.00 A.M. to 5 P.M., and during the session of the University from 8.00 to 11.00 P.M.

The Department of Chemistry at Barnard College has laboratories well equipped with every facility for the proper study of the subjects offered. The desks have water, gas, and electricity.

There is a small library of useful reference books in chemistry to which the students have free access during the entire day.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of Chemistry in secondary and normal schools. In these the chemistry classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 92 are enabled to become familiar with the duties of a teacher of Chemistry.

Chinese

(*See Oriental Languages*)

Civil Engineering

WILLIAM HUBERT BURR, C.E. ..... *Professor*
EARL BRINK LOVELL, C.E. ..... *Adjunct Professor*
ADOLPH BLACK, C.E. ..... *Adjunct Professor*
WILLIAM HENRY YATES, C.E. ..... *Tutor*
MYRON SAMUEL FALK, C.E., Ph.D. ..... *Lecturer*
CHARLES EDWARD MORRISON, C.E., A.M. ..... *Assistant*
FRANK HOUGHTON SEWALL, A.B., C.E. ..... *Assistan*

Courses

See introductory paragraphs, page 38

1–2—Theory of plane surveying—for mining engineering students. 1 hour. Professor LOVELL and Mr. SEWALL

4—Theory of plane surveying—for civil engineering students. 2 hours. Professor LOVELL and Mr. SEWALL

15—Surveying practice—five weeks field work. Professor LOVELL and assistants

21—Road engineering. 2 hours. Professor LOVELL and Mr. MORRISON

23—Theory of railroad surveying—for mining engineering students. 2 hours and one afternoon. Professor LOVELL and Mr. SEWALL

25—Surveying practice—for civil engineering students,—five weeks field work. Professor LOVELL and assistants

26—Hydrographic surveying—for civil engineering students—two weeks field and office work. Professor LOVELL and assistants

27—Surveying practice—for mining engineering students,—five weeks field work. Professor LOVELL and assistants

28—Railroad surveying—for mining engineering students,—four weeks field work. Professor LOVELL and assistants

51–52—Theory of railroad location—for civil engineering students, 3 hours and 1 afternoon. Professor LOVELL and Mr. SEWALL

53–54—Resistance of materials. 3 hours *C* and 1 afternoon *D*. Professor BURR, Dr. FALK, Mr. Yates, and Mr. MORRISON

55–56—Resistance of materials—testing laboratory. 1 afternoon

57–58—Masonry structures. 2 hours *C* and 1 afternoon *D*. Mr. YATES

59—Sanitary treatment of water-supplies and of sewage. 2 hours. Professor BLACK

61—Theory of trusses. 2 hours *C* and 1 afternoon *D*. Mr. YATES

62—Graphic statics—for civil engineering students. 2 hours *C* and 1 afternoon *D*. Mr. YATES

64—Graphic statics—for mining engineering students. 1 hour *C* and 1 afternoon *D*. Mr. YATES

71—Railroad surveying—for civil engineering students,—four weeks field work. Professor LOVELL and assistants

75—Hydraulics, including pumps and pumping engines—for civil engineering students. 3 hours and one afternoon. Professor BLACK

77—Hydraulics—for electrical engineering students. 2 hours. Professor BLACK

78—Hydraulics—for mining engineering students. 3 hours (during March, April, and May). Professor BLACK and Mr. MORRISON

79—Kinematics of machinery. 1 hour *C*. Mr YATES

85—Foundations. 2 hours. Professor BURR and Dr. FALK

87–88—Design of bridges and buildings. 2 hours *C* and 2 afternoons *D*. Professor BURR and Mr. YATES

89–90—Railroad engineering, construction, and operation. 3 hours *C* and 1 afternoon *D*. Professor LOVELL and Mr. SEWALL

94—The design and construction of sewers. 2 hours, during February, March, and part of April. Professor BLACK

96—River and harbor improvements. 2 hours, during part of April and May. Professor BLACK

98—Water-supply and irrigation. 2 hours. Professor BLACK

100—Graduation thesis—a project or thesis on some civil engineering subject, approved by the head of the department, is required of every candidate for the degree of Civil Engineer

Courses in Sanitary Engineering

41—Sanitary engineering of buildings. 2 hours (second year). Professor BLACK

42—General principles of hygiene and sanitary science. 2 hours (second year). Professor BLACK

81–82—Heating and ventilation. 2 hours (fourth year).

84—Drainage of country districts and towns. 2 hours. Professor BLACK

Summer Courses in Surveying

These courses are conducted during sixteen weeks each summer vacation at a point in the country near Litchfield, Conn., where ample facilities are provided for all requisite operations, and where

the topography is admirably adapted to the practical work of surveying. The courses there given are those announced above under the numbers **15, 25, 26, 27, 28,** and **71.** The University issues a special pamphlet with regard to these courses, which may be had upon application.

Advanced Courses

Minor Subjects

153–154—Elasticity and resistance of materials.

257–258—Elastic and masonry arches. Conferences with reading and design work as required. Based upon Courses 57–58.

275–276—Hydraulics (Civil Engineering **75** with additional reading).

285–286—Foundations including theory of earth pressure—(Civil Engineering **85,** with additional reading).

287–288—Long-span bridges. Conferences with reading and design work as required. Based upon Courses 87–88.

Major Subjects

259–260—Sanitary engineering. Based upon Courses 59, 93, 97.

277–278—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water-works.

279–280—Municipal engineering, including water-works, sewers, and sewage-works, streets, and other public works, and their administration.

289–290—The engineering of structures, including long-span bridges and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials.

Equipment

The department possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as smaller instruments. Current meters, hook gauges, and floats of various types are also used in making observations on the flow in and discharge of rivers and canals. A complete set of sections of iron and steel shapes, models, and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various structural

materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

A cement-testing laboratory is fully equipped with testing machines, briquette moulds, tanks, and other apparatus requisite for all classes of investigations in the nature and physical properties of cements and cement mortars. All students are required to make and test briquettes of cement and cement mortar, as well as to ascertain the weight, fineness, and other physical properties of such cement, sand, and mortar as may be assigned to them for examination.

A laboratory for the testing of road materials is equipped with all the necessary apparatus for the determination of the wearing and cementing qualities of stone or other road material.

In addition, a great variety of large engineering works is continually in process of construction in New York City and vicinity, and the requisite steps are always taken to render them accessible to the students of the department for examination and study.

The library facilities consist of an extensive collection of foreign and domestic engineering books and periodicals, to which additions are being constantly made. The collection of engineering literature forms a part of the general Library of the University, and is constantly available for both undergraduates and post-graduate study.

Clinical Instruction

in Dermatology, Genito-Urinary Diseases, Laryngology, Ophthalmology, Orthopedic Surgery, and Otology. For Clinical Instruction in Medicine, Surgery, Gynecology, Neurology, and Pediatrics, details will be found under the general heading of these departments.

George Henry Fox, A.M., M.D. ..... *Professor of Dermatology*
Virgil P. Gibney, M.D., LL.D. ..... *Professor of Orthopedic Surgery*
William K. Simpson, M.D. ..... *Professor of Laryngology*
Arnold Knapp, M.D. ..... *Professor of Ophthalmology*
Gorham Bacon, M.D. ..... *Professor of Otology*
James R. Hayden, M.D. ..... *Professor of Genito-Urinary Diseases*
Walter F. Chappell, M.D. ..... *Clinical Professor of Laryngology*
Royal Whitman, M.D. ..... *Clinical Lecturer and Instructor in Orthopedic Surgery*
Robert Lewis, Jr., M.D. ..... *Chief of Clinic and Instructor in Otology*
George Thomas Jackson, M.D ..... *Chief of Clinic and Instructor in Dermatology*
Richard Frothingham, M.D. ..... *Instructor in Laryngology*
Ward A. Holden, M.D. ..... *Chief of Clinic and Instructor in Ophthalmology*
Henry H. Tyson, M.D. ..... *Instructor in Ophthalmology*
George Sloan Dixon, M.D. ..... *Instructor in Otology*

FRANKLIN M. STEPHENS, M.D.....*Instructor in Otology*
SAMUEL W. THURBER, M.D.....*Chief of Clinic and Instructor in Laryngology*
JAMES R. WHITING, M.D.....*Chief of Clinic and Instructor in Genito-Urinary Diseases*

Clinical Assistants

In Orthopedic Surgery

CHARLES H. JAEGER, M.D., Chief of Clinic
SIGMUND EPSTEIN, M.D. JOHN CARLING, M.D.
ARTHUR SHOEMAKER, M.D.

In Otology

FRANKLIN M. STEPHENS, M.D. FRANK J. BLODGETT, M.D.
GEORGE SLOAN DIXON, M.D. MATHEW L. CARR, M.D.
ALFRED MICHAELIS, M.D.

In Dermatology

JOHN H. P. HODGSON, M.D. S. DANA HUBBARD, M.D.
JOHN ALDRICH, M.D. J. D. GOLD, M.D.
CHARLES T. DADE, M.D. SHIRLEY E. SPRAGUE, M.D.
GEO HOWARD FOX, M.D.

In Ophthalmology

JOHN A. JACKSON, M.D. D. H. LEVY, M.D.

In Laryngology

ARTHUR P. COLL, M.D. C. D. VAN WAGENEN, M.D
JOHN LESHURE, M.D. T. JOSEPH BARRY, M.D.
F. CONGER SMITH, M.D. CHARLES OSGOOD, M.D.

In Genito-Urinary Diseases

WALTER B. BROUNER, M.D. S. W. FOWLER, M.D.
W. S. REYNOLDS, M.D. WILLIAM BLANCARD, M.D.
J. B. STEIN, M.D.

All communications regarding these courses should be addressed to the Dean of the Faculty of Medicine, 437 West 59th Street.

Courses

See preliminary paragraphs, page 38

In Dermatology

51—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor Fox

53–54—Practical instruction at the Vanderbilt Clinic in diagnosis and treatment. 12 lessons for each student. Dr. JACKSON

In Genito-Urinary Diseases

51–52—Genito-urinary diseases—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor HAYDEN

53–54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Dr. WHITING

55–56—Hospital clinics. Bellevue Hospital, December, January, February, and March. Professor HAYDEN

In Laryngology

52—Didactic lectures. 1 hour. Professor SIMPSON

53–54—Practical clinical instruction to sections in the use of instruments. 12 lessons for each student. Dr. THURBER

55–56—Individual clinical demonstrations, special attention being given to the questions of general diagnosis, differential and bacteriological diagnosis, and treatment. Dr. FROTHINGHAM

57–58—Operative clinics at the Manhattan Eye, Ear, and Throat Hospital. Professor CHAPPELL

In Ophthalmology

52—Clinical lectures, at the Vanderbilt Clinic. 1 hour. Professor KNAPP

53–54—Practical instruction, at the Vanderbilt Clinic. 12 lessons for each student. Drs. HOLDEN and TYSON

56—Operative clinics at the N. Y. Ophthalmic and Aural Institute. Professor KNAPP

In Orthopedic Surgery

51–52—Clinic in orthopedic surgery and diseases of the joints at the Vanderbilt Clinic. 1 hour. Professor GIBNEY

53–54—Practical instruction. 8 lessons for each student, at the Hospital for Ruptured and Crippled. Dr. WHITMAN. 8 lessons for each student at the Vanderbilt Clinic. Dr. JEAGER

55–56—Operations at the Hospital for Ruptured and Crippled (*optional*). Professor GIBNEY

In Otology

51—Didactic lectures in pathology and therapeutic methods. 1 hour. Professor BACON

53-54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Drs. LEWIS, STEPHENS, and DIXON

55-56—Operative clinics at the New York Eye and Ear Infirmary. Professor BACON

Clinical Pathology

FRANCIS CARTER WOOD, M.D.....*Professor*
D. STUART DODGE JESSUP, M.D.....*Assistant*
JAMES C. GREENWAY, M.D.....*Assistant*
PETER IRVING, M.D.....*Assistant*

Close association is maintained between this department and the departments of Pathology and Bacteriology and Hygiene, so as to facilitate instruction and research in these closely allied subjects.

Courses

52—Systematic instruction in clinical pathology. 6 hours for one quarter of the academic year. Professor WOOD and Dr. JESSUP

53-54—Practical exercises in clinical pathology to sections in the Vanderbilt Clinic laboratory. 10 hours for one eighth of the academic year. Professor WOOD and Drs. GREENWAY and IRVING

200—Special laboratory course in clinical pathology Professor WOOD

Research

Research may be pursued in the laboratories of the department by a limited number of properly qualified workers. Professor WOOD

Equipment

Systematic instruction in clinical pathology is given in the west lecture room on the fifth floor of the Vanderbilt Clinic building. Students are furnished with apparatus sufficient to enable them to carry out such tests as are necessary for the exposition of the subject; and demonstrations are made of special methods and more complicated apparatus. In order to permit the student to make independently such examinations as are needed in the diagnosis and treatment of disease, a new laboratory has been erected between the Vanderbilt Clinic and the Sloane Maternity Hospital, with accommodations and apparatus for twelve workers. In this laboratory the students make examinations of the secretions and excretions of patients from the clinical courses at the Vanderbilt Clinic and the hospitals.

Comparative Literature

JEFFERSON BUTLER FLETCHER, A.M.....*Professor*
JOEL ELIAS SPINGARN, Ph.D.....*Adjunct Professor*

Courses

See preliminary paragraphs, page 38

1–2—Introduction to European literature from the Renaissance to the present day. 3 hours. PROFESSOR SPINGARN

101–102—The Renaissance in Europe. Introductory course. 2 hours. Professors FLETCHER and SPINGARN

[201–202—The comparative study of literature: its methods and its problems. 2 hours. Professor FLETCHER]

203–204—History of literary criticism in modern Europe. 3 hours. Professor SPINGARN

[205–206—The theory and practice of criticism in modern Europe. 2 hours. Professor SPINGARN]

211–212—European literature from the end of the middle ages to the climax of the Renaissance. 2 hours. Professor FLETCHER

213–214—The literary relations of England and the Continent in the sixteenth century. 2 hours. Professor FLETCHER

221–222—European literature from the climax of the Renaissance to the end of the seventeenth century. 2 hours. Professor SPINGARN

[223–224—The literary relations of England and the continent during the seventeenth century. 2 hours. Professor SPINGARN]

301–302 Seminar—The Elizabethan drama in relation to its sources. 2 hours. Professor FLETCHER

303–304 Seminar—Continental Sources of English literature during the seventeenth and eighteenth centuries. 2 hours. Professor SPINGARN

305–306 Seminar—The tradition of chivalry in modern literature. 2 hours. Professor SPINGARN

Equipment

The officers of the department have given much attention to the requirements of their courses in the matter of learned publications, the books of specialists in literary topics, the particular collections grouped about great authors, and the rarer literature of the world of letters. The general subjects of literary history and criticism and the latest phases of literary scholarship are well represented in the Library, and those subjects with which the courses directly deal are represented with unusual fulness. A special effort has been made to gather beforehand the literature of subjects for research, so that there may be no delay in providing such material. In the last few

years several thousand volumes have been purchased by the department with a particular view to the needs of students, and it is believed that, within the limits of study, the collections are ample; and whatever books prove to be required will be at once obtained. Substantially all periodicals of the literary or learned world are currently received, and in files of such publications, transactions of societies, and the like the Library is uncommonly rich, as well as in foreign dissertations. These are the treasuries of information for minute research. In the Library a special study room is provided for the department, in immediate communication with the books relating to its specific subject.

Diseases of Children

L. Emmett Holt, M.D., LL.D., Sc.D.....*Carpentier Professor*
Henry W. Berg, M.D.....*Instructor in Contagious Diseases*
Linnaeus Edford La Fetra, M.D.....*Chief of Clinic and Instructor*
John Howland, M.D.....*Instructor in Contagious Diseases*
Frank S. Meara, M.D.....*Tutor*

Abraham Jacobi, M.D., LL.D.....*Emeritus Professor*

Clinical Assistants

Louis M. Silver, M.D.
Albert F. Brugman, M.D.
Robert H. McConnell, M.D.
Sidney V. Haas, M.D.
Andrew B. Yard, M.D.
Edward Miller, M.D.
Henry E. Hale, M.D.
Herbert B. Wilcox M.D.
Arthur W. Bingham, M.D.
M. H. Sicard, M.D.

Courses

See preliminary paragraphs, page 38

52—Didactic lectures at the College. 1 hour [Wednesday at 3 P.M., from February to May]. Professor Holt

51—Clinical lectures at the Vanderbilt Clinic. 1 hour [Wednesday at 3 P.M., from October to February]. Professor Holt

53–54—Practical instruction at the Vanderbilt Clinic in diagnosis and treatment. 10 lessons for each student. Dr. La Fetra

55–56—Hospital clinic—Foundling or Babies' Hospital, [Tuesdays at 2:15 P.M., Fridays at 3.15 P.M., from October to May]. Professor Holt

57–58—Bedside instruction in contagious diseases at the Willard Parker, Scarlet Fever or Riverside Hospital, to small sections of the class. Dr. Howland and Dr. Berg

59—A weekly recitation in pediatrics for each student for half the year. Dr. MEARA

Post-Graduate Instruction

A limited number of students will be received in this department for post-graduate instruction.

No students will be admitted for less than one half the academic year, and applicants must have had a previous hospital training.

The instruction will include clinical work in general diagnosis and treatment of diseases of children in the wards of the Babies' and Foundling Hospitals, and in the Children's Ward of Bellevue, and in the Vanderbilt Clinic, together with special instruction in contagious diseases at Willard Parker and the Scarlet Fever Hospital, and opportunities for witnessing post-mortem examinations.

Domestic Art

Ten courses in Domestic Art are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

Domestic Science

Ten courses in Domestic Science are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

Economics and Social Science

EDWIN R. A. SELIGMAN, Ph.D., LL.D.....*McVickar Professor*
FRANKLIN HENRY GIDDINGS, Ph.D., LL.D.....*Professor*
JOHN BATES CLARK, Ph.D., LL.D.....*Professor*
HENRY ROGERS SEAGER, Ph.D.....*Professor*
HENRY LUDWELL MOORE, Ph.D.....*Professor*
VLADIMIR GR. SIMKHOVITCH, Ph.D.....*Adjunct Professor*
EDWARD THOMAS DEVINE, Ph.D.....*Professor*
HERMAN SCHUMACHER, Jur.D.....*Kaiser Wilhelm Professor*
GEORGE J. BAYLES, Ph.D.....*Lecturer in Ecclesiology*
ALBERT C. WHITAKER, Ph.D.....*Lecturer*
ALVAN A. TENNEY, A.M.....*Tutor*

For more detailed statement of the scope of each course see the Announcement of the Faculty of Political Science (Division of History, Economics, and Public Law).

See introductory paragraphs, page 38

Courses in Political Economy and Finance

A—Outlines of economics—Recitations, lectures, and essays. 3 hours. Professor MOORE and Dr. WHITAKER (Barnard College)

1–2—Introduction to economics—Practical economic problems—Lectures and recitations. 3 hours. Professor SELIGMAN and Dr. WHITAKER

4—Economic history of England and America—Selected text-books, recitations, essays, and lectures. 3 hours. Professor MOORE and Dr. WHITAKER (Barnard College)

101–102—Taxation and finance—Lectures and private reading. 2 hours. Professor SELIGMAN

[103—Money and banking—Lectures, discussions, and reading. 2 hours. Professor MOORE]

Courses 101–102 and 103 are combined at Barnard under the name of Practical Economics, and are given as a 2-hour course (120) by Professor SEAGER.

105—The labor problem—Lectures and private reading. 2 hours. Professor SEAGER

106—The trust problem—Lectures and private reading. 2 hours. Professor SEAGER

[107—Fiscal and industrial history of the United States—Lectures and private reading. 2 hours. Professor SELIGMAN]

[108—Railroad problems, economic, social, and legal—Lectures and private reading. 2 hours. Professor SELIGMAN]

109—Communistic and socialistic theories—Lectures and private reading. 2 hours. Professor CLARK

110—Theories of social reform—Lectures and private reading. 2 hours. Professor CLARK

120—Practical economics—Lectures and assigned readings. 2 hours Professor SEAGER (Barnard)

121—English social reformers—Lectures and assigned readings. 2 hours. Professor H. L. MOORE (Barnard)

122—Economic theory—Lectures, assigned readings, and discussions. 2 hours. Professor H. L. MOORE (Barnard)

[201—Economic readings I: classical English economists—Lectures, assigned readings, and reports. 2 hours. Professor SEAGER]

[202—Economic readings II: contemporary economists. 2 hours Professor SEAGER]

203–204—History of economics—Lectures, discussions, and readings. 2 hours. Professor SELIGMAN

205—Economic theory I: the static laws of distribution—Lectures and private reading. 2 hours. Professor CLARK

206—Economic theory II: the dynamic laws of distribution. 2 hours. Professor CLARK

207—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

[208—Quantitative economics I: advanced statistics. 2 hours. Professor H. L. Moore]

210—Quantitative economics II: mathematical economics. 2 hours. Professor H. L. Moore

211—Industry and banking in Germany. 2 hours. Professor Schumacher

241—Economic and social evolution of Russia since 1800. 2 hours. Professor Simkhovitch

242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor Simkhovitch

290—Problems of industrial organization. 2 hours. Professor Seager

301–302—Seminar in political economy and finance. 2 hours. Professors Seligman and Clark

303 Seminar—Comparative studies in the economic development of the United States and Germany. 2 hours, bi-weekly. Professor Schumacher

Courses in Sociology and Statistics

151—Principles of sociology: analytical and descriptive. 2 hours. Professor Giddings and Mr. Tenney

152—Principles of sociology: historical. 2 hours. Professor Giddings and Mr. Tenney

251—Social evolution, ethnic and civil origins—Lectures and private reading. 2 hours. Professor Giddings

252—Social evolution—Civilization, progress, and democracy—Lectures and private reading. 2 hours. Professor Giddings

255—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. Moore

256—Social statistics—Lectures and laboratory. 2 hours. Professor H. L. Moore

257—Historical types of society: ancient. 2 hours. Professor Giddings

258—Historical types of society: modern. 2 hours. Professor Giddings

259—Civil aspects of ecclesiastical organization—Lectures and private reading. 1 hour. Dr. Bayles

311–312—Seminar in sociology—2 hours, bi-weekly. Professor Giddings

Courses in Social Economy

[281—Poverty and dependence—Lectures and discussions. 2 hours. Professor Devine]

[282—Principles of relief—Lectures and discussion of cases. 2 hours. Professor DEVINE]

283—Pauperism and poor laws—Lectures and assigned readings. 2 hours. Professor SEAGER

285—The standard of living—Lectures and discussions. 2 hours. Professor DEVINE

286—The prevention and diminution of crime—Lectures and discussions. 2 hours. Professor DEVINE

321–322—Seminar in social economy. 2 hours. Professor DEVINE

Equipment

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than eighty thousand volumes.

Students of economics and social science will find New York a centre of library facilities unrivalled elsewhere in this country. In addition to the University Library, there are rich treasures at the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the Charity Organization Society, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their disposal the library of the McVickar Professor of Political Economy which contains one of the most complete collections of works on economics to be found in the United States.

The facilities offered to students of sociology and social economy include a large library of general and special works, and unusual opportunities for field work. A generous gift for works on sociology has provided a very complete equipment of publications on sociological theory, the history of the family, pauperism, crime, and penology. Arrangements have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East-Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

The Statistical Laboratory, conducted by Professor H. L. MOORE, is equipped with the Hollerith tabulating machines, comptometers, and all other modern facilities.

Students also have the privilege of attending all of the courses in the School of Philanthropy conducted by the Charity Organization Society.

Education

Teachers College is the Division of Education of Columbia University. In the section of the Catalogue devoted to Teachers College (see Table of Contents) will be found a list of its officers and a statement of its equipment for instruction and research in education.

All Teachers College courses are open to men and women on equal terms. For the significance of course numbers see page 38.

A full statement of the nature of each of the following courses, the work pre-requisite to it, and the credit which may be received for it in partial fulfilment of the requirements for the several degrees and diplomas, and similar statements concerning many semi-professional courses offered by Teachers College, but not listed here, will be found in the current edition of the Announcement of Teachers College.

History and Philosophy of Education

B—History and principles of education. 3 hours. Professor MONROE and assistant

B*a*—History of Education up to modern times—First third of Education **B**, above. 1 hour. Professor MONROE and assistant

2—Logic as applied to problems of teaching. 2 hours. Professor DEWEY

5–6—Modern educational theory. 2 hours. Professor MACVANNEL

[**101–102**—Contemporary educational problems. 1 hour. Dean RUSSELL and special lecturers]

105–106—Educational theories of Herbart and Froebel. 2 hours. Professor MACVANNEL

[**108**—Social life and the school curriculum. 2 hours. Professor DEWEY]

201–202—History and principles of education—Special graduate section course **B**, above. 2 hours. Professor MONROE

203–204—Practicum—History of education in the United States. 2 hours. Professor MONROE

205–206—Practicum—Philosophy of education. 2 hours. Professor MACVANNEL

207–208—Practicum. 2 hours. Professor DEWEY

[**209–210**—Practicum—History of education in England. 2 hours. Professor MONROE]

303–304—Seminar—History of education. Professor MONROE

305–306—Seminar—Philosophy of education. Professor MACVANNEL

Educational Administration

111–112—School administration. 2 hours. Professor DUTTON

113–114—Administration of social education. 2 hours. Professor SNEDDEN

211–212—Practicum—Administration of public education in the United States. 2 hours. Professors SNEDDEN and DUTTON

213–214—Practicum—Foreign school systems. 2 hours. Professor SNEDDEN and Dean RUSSELL

311–312—Seminar—Educational administration. Dean RUSSELL and Professors SNEDDEN and DUTTON

Educational Psychology

A (*a*)—General psychology. 2 hours, first half-year. Professor THORNDIKE and Drs. NORSWORTHY and GORDON

A(*b*)—Educational psychology. 2 hours, second half-year. Professor THORNDIKE and Drs. NORSWORTHY and GORDON

A (c)—Educational psychology. 1 hour, throughout the year. Professor THORNDIKE and Drs. NORSWORTHY and GORDON

21–22—Child study. 2 hours. Dr. NORSWORTHY

121–122—Genetic psychology, advanced course. 2 hours. Professor THORNDIKE

221–222—Practicum—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

321–322—Seminar—Genetic and comparative psychology. Professor THORNDIKE

401–402—Colloquium. Professors CATTELL, THORNDIKE, and WOODWORTH

Secondary Education

125–126—Secondary education. 3 hours. Professor SACHS

225–226—Practicum—Secondary-school education, advanced course. 2 hours. Professor SACHS

325–326—Seminar in secondary education. Professor SACHS

153–154—The teaching of biological science in secondary schools. 3 hours. Professor BIGELOW and Miss BROADHURST

253–254—Practicum in the teaching of biological sciences in secondary and normal schools. 2 hours. Professor BIGELOW

55–56—The teaching of domestic art. 3 hours. Professor WOOLMAN and Miss COOLEY

155–156—Supervision and critic teaching in domestic art. 2 hours Professor WOOLMAN

57–58—The teaching of domestic science. 3 hours. Professor KINNE and Miss WHITTEMORE

157–158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

161–162—The teaching of English in secondary schools. 3 hours. Professor BAKER

261–262—Practicum in the teaching of English. 2 hours. Professor BAKER

63–64—The teaching of art. 3 hours. Professor DOW and Miss BROOKS

165–166—The teaching of French. 3 hours. Professor COHN

167–168—The teaching of geography. 3 hours. Professor DODGE and Miss KIRCHWEY

[267–268—Practicum in geography. 2 hours. Professor DODGE]

169–170—The teaching of German in secondary schools. 3 hours. Professor BAGSTER COLLINS

171–172—The teaching of Greek in secondary schools. 3 hours. Professor LODGE

173–174—The teaching of history in secondary schools. 3 hours. Professor JOHNSON

273–274—Practicum—The teaching of history in normal schools. 3 hours. Professor JOHNSON

175–176—The teaching of Latin in secondary schools. 3 hours. Professor LODGE

275–276—Practicum in Latin—Cæsar and Vergil. 2 hours. Professor LODGE

77–78—The teaching of manual training. 3 hours. Professor RICHARDS

177–178—Organization of manual training. 2 hours. Professor RICHARDS

179–180—The teaching of mathematics in secondary schools. 3 hours. Professor SMITH

279–280—Practicum in the history and teaching of mathematics. 2 hours. Professor SMITH

379–380—Seminar in the history and teaching of mathematics. Professor SMITH

81–82—The teaching of music. 3 hours. Professor FARNSWORTH

87–88—Personal and school hygiene—Lectures, demonstrations, reading, and reports. 2 hours. Professor WOOD

189–190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and assistants.

289–290—Practicum in physical education. 2 hours. Professor WOOD

191–192—The teaching of physical science in secondary schools 3 hours. Professor WOODHULL and Miss VAN ARSDALE

291–292—Practicum in physical science. 2 hours. Professor WOODHULL

Elementary Education

[31—Methods of study and instruction. 2 hours. Professor McMURRY]

33–34—Theory and practice of teaching in elementary schools. 3 hours. Dr. STRAYER

131–132—Criticism and supervision of instruction. 3 hours. Professor McMURRY

133–134—Supervision of instruction. 3 hours. Professor McMURRY

233–234—Practicum—Current problems in elementary education. 2 hours. Dr. STRAYER

333–334—Seminar. Professor McMURRY and Dr. STRAYER

51–52—Sunday-school instruction. 1 hour. Dr. HODGE

55–56—The teaching of domestic art. 3 hours. Professor WOOLMAN and Miss COOLEY

155–156—Supervision and critic teaching in domestic art. 2 hours. Professor WOOLMAN

57–58—The teaching of domestic science. 3 hours. Professor KINNE and Miss WHITTEMORE

157–158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

61—The teaching of English in elementary schools. 2 hours. Professor BAKER

63–64—The teaching of art. 3 hours. Professor Dow and Miss BROOKS

68—The teaching of geography in elementary schools. 2 hours. Professor DODGE and MISS KIRCHWEY

74—The teaching of history in elementary schools. 2 hours. Professor JOHNSON

77–78—The teaching of manual training. 3 hours. Professor RICHARDS

177–178—Organization of manual training. 2 hours. Professor RICHARDS

79—The teaching of mathematics in elementary schools. 2 hours. Professor SMITH

81–82—The teaching of school music. 3 hours. Professor FARNSWORTH

83—Lectures on the teaching of nature study. 1 hour. Professors BIGELOW and WOODHULL

85–86—Practical course in the teaching of nature-study. 2 hours. Professors BIGELOW and WOODHULL

87–88—Personal and school hygiene. 2 hours. Professor WOOD

165–166—The teaching of French. 3 hours. Professor COHN

189–190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and assistants

Kindergarten Education

5–6—Modern educational theory. 2 hours. Professor MACVANNEL

41–42—Kindergarten principles. 2 hours. Miss FULMER

45–46—Theory and practice of kindergarten teaching. 4 hours. Miss FULMER

105–106—Educational theories of Herbart and Froebel. 2 hours. Professor MACVANNEL

141—Kindergarten principles and practice. 2 hours. Miss BLOW

145–146—Kindergarten conference. 3 hours. Miss HILL

Electrical Engineering

FRANCIS B. CROCKER, E.M., Ph.D. ..... *Professor*
GEORGE FRANCIS SEVER, M.Sc. ..... *Professor*
[1]FITZHUGH TOWNSEND, A.B., E.E. ..... *Instructor*
MORTON ARENDT, E.E. ..... *Instructor*
ERNEST S. HOLCOMBE, M.E. ..... *Lecturer*
SAMUEL S. WATKINS, E.E. ..... *Assistant*
C. H. VON DANNENBERG, B.E. ..... *Assistant*

For full information as to the scope of the work in Electrical Engineering, text-books, etc., students are referred to the Announcement of the Course in Engineering. This pamphlet contains a detailed statement of the requirements for the degree of Electrical Engineer.

Professors PUPIN and WILLS of the Department of Physics give instruction in some of the theoretical branches of Electrical Engineering. See the statement of the Department of Physics.

Courses

For the significance of course numbers see page 38

1—Elements of electrical engineering—General electrical principles, laws, measurements, and their applications. 2 hours. Mr. TOWNSEND

[1] Died December 11, 1906.

2—Elements of the dynamo—The principles and general construction of dynamo-electric machinery. 1 hour. Professor CROCKER and Mr. ARENDT

51—Theory of the dynamo—Predetermination and study of characteristic curves of dynamos and motors. 1 hour. Mr. TOWNSEND

52—Design of direct-current machinery. Complete and original design with all calculations and working drawings of a specially assigned electric generator or motor. 2 hours and 1 afternoon. Professor SEVER

54—Design of alternating-current machinery—Original design of alternating-current generators, motors, transformers, etc. 2 hours, Mr. TOWNSEND

68—Electrical engineering—The principles of electrical engineering and their application to general engineering. 1 hour. Professor CROCKER and Mr. ARENDT

72—Direct-current laboratory—Short course for students in Mining, Civil, Sanitary, and Chemical Engineering and Metallurgy. 1 afternoon. Professor SEVER and Assistants

73—Direct-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon. Professor SEVER and Assistants

75—Alternating-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon. Mr. TOWNSEND

100—Graduation thesis for degree of Electrical Engineer—Original work and report on a subject approved by the head of the department

101—Dynamo and motor practice—Principles, construction, operation, and testing. 2 hours. Professor SEVER

103—Electric power—Transmission and distribution of electric power. 2 hours. Professor CROCKER and Mr. ARENDT

104—Electrical plants—Their design, installation, and operation. 2 hours. Professor CROCKER and Mr. ARENDT

105—Electrical distribution—Series, parallel, and multiple wire systems; regulation of voltage and current; transformers; interior wiring; meters; arc and incandescent lamps. 2 hours. Professor CROCKER and Mr. ARENDT

106—Management of electrical plants—Economy in design, construction, operation, organization, and administration. 2 hours. Professor CROCKER and Mr. ARENDT

110—Telegraph and telephone. 2 hours. Professor CROCKER and Mr. ARENDT

112—Electric railways—Their design, installation, and operation. 2 hours. Professor SEVER

173–174—Direct-current laboratory—Practice in the use of instru-

ments and in the operation and testing of direct-current dynamos and motors. 2 afternoons. Professor SEVER and Assistants

175–176—Alternating-current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. 2 afternoons. Mr. TOWNSEND and Assistants

177—Electrical instrument laboratory. Electrical measurements storage-battery testing, photometry of electric lamps. 3 afternoons. Mr. HOLCOMBE

201–202—Special problems and original investigations in electrical engineering. Post-graduate work under the direction of the officers of the department.

Equipment

The offices, laboratories, lecture, and other rooms of the Electrical Engineering Department are in the south end of Engineering. In the basement are situated the two machine laboratories, for direct- and alternating-current machinery.

The various machines include examples of constant potential generators, constant-current, arc-lighting dynamos, many types of stationary and railway motors, and motor-dynamos. Complete sets of ampere, volt, and watt meters, speed indicators, and transmission and absorption dynamometers are available for testing the various dynamos and motors.

The alternating-current apparatus includes single-phase and polyphase generators, induction and synchronous motors, rotary converters, and various types and sizes of transformers. Complete sets of alternating-current measuring instruments and curve-tracing apparatus are also provided.

The lecture-rooms are provided with an ample supply of electrical energy of different forms, and other facilities for experimental demonstrations. The museum contains cases for the collection of apparatus, models, and materials relating to Electrical Engineering.

The large instrument laboratory on the third floor contains various forms of galvanometers, ampere balances, potentiometers, standard cells, and resistances; measuring apparatus, laboratory standard volt and ampere meters. A storage battery is provided for testing purposes and for calibration and standardization.

Engineering Draughting

RALPH E. MAYER, C.E. ..... *Adjunct Professor*
SAMUEL O. MILLER, C.E. ..... *Tutor*
THOMAS H. HARRINGTON, C.E. ..... *Tutor*
MORRIS F. WEINRICH, Mech.E ..... *Assistant*

Courses in Drawing

1–2—(*a*) Elements of mechanical drawing; freehand lettering: (*b*) Projections: (*c*) Machine drawing—sketches, tracing: (*d*) Topography

C 1 hour first half year, *D* 6 hours throughout the year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

3–4—Descriptive geometry—Problems on point, line, and plane; tangent planes; intersections; developments; warped surfaces. 1 hour first half-year and 2 hours second half-year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

5—(*a*) Graphics—Shades and shadows; perspective; isometric projection; cabinet projection: (*b*) Stone cutting. *C* 1 hour and *D* 5 hours first half-year. Professor MAYER and Mr. MILLER

6—(*a*) Structural drawing; (*b*) machine drawing. *C* 1 hour and *D* 5 hours second half-year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

English

BRANDER MATTHEWS, D.C.L., Litt.D., LL.D.....*Professor*
[1] GEORGE RICE CARPENTER, A.B.....*Professor*
WILLIAM PETERFIELD TRENT, M.A., LL.D.....*Professor*
FRANKLIN THOMAS BAKER, A.M.....*Professor in Teachers College*
WILLIAM TENNEY BREWSTER, A.M.....*Professor*
GEORGE C. D. ODELL, Ph.D.....*Professor*
ASHLEY HORACE THORNDIKE, Ph.D...*Professor, and Secretary of the Department*
FREDERICK HENRY SYKES, Ph.D...*Professor of English in Extension Teaching*
WILLIAM WITHERLE LAWRENCE, Ph.D.....*Instructor*
GEORGE PHILIP KRAPP, Ph.D.....*Instructor*
[1] VIRGINIA CROCHERON GILDERSLEEVE, A.M.....*Tutor*
JOHN GABBERT BOWMAN, A.M.....*Tutor*
GRACE HUBBARD, A.M.....*Lecturer*
ALGERNON DE V. TASSIN, A.M.....*Lecturer*
WILLIAM BELMONT PARKER, A.B.....*Lecturer*
ALLAN FERGUSON WESTCOTT, A.M.....*Lecturer*
JOHN WILLIAM CUNLIFFE, Litt.D.....*Lecturer*
CLYDE FURST, A.M.....*Lecturer in Extension Teaching*
AZUBAH JULIA LATHAM, A.B.....*Lecturer in Teachers College*
HARRISON ROSS STEEVES, A.B.....*Assistant*
CHARLES GALWEY, A.B.....*Assistant*
NORMAN FRANKLYN BUTLER, A.B.....*Assistant*
ADOLPHE MONELL SAYRE, LL.B.....*Assistant*
ALICE HASKELL, A.B.....*Assistant*

[1] Absent on leave.

Courses

For the significance of course numbers see page 38

Courses 243–244 and 249–250, are not open to women.

A—English literature and composition. 3 hours. Professor ODELL, Mr. STEEVES, Mr. BUTLER, and Mr. SAYRE (Columbia College) Professor BREWSTER, Mr. TASSIN, Mr. WESTCOTT, and Miss HASKELL (Barnard College)

B—English literature and composition. 2 hours (Columbia); 3 hours (Barnard). Mr. BOWMAN and Mr. GALWEY (Columbia); Mr PARKER, Mr. WESTCOTT, and Miss HASKELL (Barnard)

1–2—English composition—Daily themes and fortnightly essays, lectures, and consultations. 3 hours. Mr. TASSIN (Columbia); Professor BREWSTER (Barnard)

7–8—Elocution—Lectures and exercises. 2 hours. Mr. PARKER (Columbia); Mr. TASSIN (Barnard)

11–12—Public speaking and debating. 3 hours. Mr. PARKER (Columbia and Barnard)

21–22—American literature. 3 hours (Columbia); Professor BRANDER MATTHEWS and Mr. WESTCOTT (Columbia)

23–24—English literature in the nineteenth century. 3 hours. Professor ODELL (Columbia); Miss HUBBARD (Barnard)

25–26—English literature from 1557 to 1660. 3 hours (Columbia); 2 hours (Barnard). Professor ODELL (Columbia); Professor TRENT (Barnard)

[27–28—English literature from 1660 to 1789. 3 hours (Columbia); 2 hours (Barnard). Professor ODELL (Columbia); Professor TRENT (Barnard)]

Courses 25–26 and 27–28, are given in alternative years.

29–30—English literature of the earlier periods. 3 hours. Dr. LAWRENCE (Columbia); Dr. KRAPP (Barnard)

31–32—English literature in the sixteenth century. 2 hours. Professor TRENT (Barnard)

35–36—Shakspere. 2 hours. Dr. LAWRENCE (Columbia); Professor THORNDIKE (Barnard)

37–38—English prose exclusive of fiction. 2 hours. Professor BREWSTER and Dr. CUNLIFFE (Barnard)

39–40—The development of English fiction. 3 hours. Professor BRANDER MATTHEWS and Mr. WESTCOTT (Columbia)

41–42—English drama to the closing of the theatres in 1642. 2 hours. Mr. TASSIN and Dr. CUNLIFFE (Barnard)

201—English composition (advanced course). 2 hours. Professor BREWSTER

[203–204—The theory of English usage. Professor G. R. CARPENTER]

[205–206—English literary criticism. 1 hour. Professor G. R. CARPENTER]

[207–208—English prose. Professor BREWSTER]

[211–212—The principles of English philology. 2 hours. Dr. KRAPP]

215—Anglo-Saxon prose. 2 hours. Dr. KRAPP

216—Beowulf. 2 hours. Dr. LAWRENCE

217–218—Historical English grammar. 2 hours. Dr. KRAPP

219–220—Anglo-Saxon and early middle English. 2 hours. Dr. KRAPP

[225–226—English literature from 1200–1557. 2 hours. Dr. LAWRENCE]

227–228—Chaucer. 2 hours. Dr. LAWRENCE

[229–230—Mediæval narrative literature. 2 hours. Dr. LAWRENCE]

[231–232—English literature from 1625–1701. 2 hours. Professor TRENT]

233–234—English literature from 1701–1798. 2 hours. Professor TRENT

[235–236—English literature in the first half of the nineteenth century. 2 hours. Professor TRENT]

Courses 231–232, 233–234, and 235–236 are given in successive years.

238—English poetry in the second half of the sixteenth century 2 hours. Dr. CUNLIFFE

240—Robert Browning. 2 hours. Dr. CUNLIFFE

[241–242—Development of the drama. 2 hours. Professor BRANDER MATTHEWS]

243–244—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS

Courses 241–242 and 243–244 are given in alternate years.

[245–246—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS]

[247–248—English comedy: its history and its methods. 2 hours. Professor BRANDER MATTHEWS]

249–250—Shakspere as a playwright. 2 hours. Professor BRANDER MATTHEWS

251–252—The English drama from the beginnings to 1642. 2 hours. Professor THORNDIKE

301–302 — Seminar — Elizabethan tragedy. 2 hours. Professor THORNDIKE

303–304—Seminar—English literature in the Restoration period. 2 hours. Professor TRENT

305–306—Seminar—Discussion of dissertations. Professors TRENT and THORNDIKE, Dr. KRAPP, and Dr. LAWRENCE

Undergraduate Courses in Teachers College

T. C. 53–54—English usage. 2 hours. Professor BAKER

T. C. 55–56—English writers of the nineteenth century. 3 hours. Professor BAKER

T. C. 57–58—Oral reading. 2 hours. Miss LATHAM

Fine Arts

Eight courses in Fine Arts are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

(See also the Statement of the School of Fine Arts in this volume.)

French

(See Romance Languages and Literatures)

Geography

RICHARD E. DODGE, A.M. ..... *Professor*
EDWARD L. STEVENSON, Ph.D. ..... *Lecturer*
CLARA B. KIRCHWEY ..... *Instructor*

Courses

1–2—General geography. 3 hours. Professor DODGE and Miss KIRCHWEY

31–32—Historical and political geography. Dr. STEVENSON

[51–52—The geography of the United States and its possessions. Professor DODGE]

[53–54—Physiography and climatology. 3 hours. Professor DODGE and Miss KIRCHWEY]

[105–106—Advanced physiography. Professor DODGE]

131–132—Expansion of geographical knowledge. Dr. STEVENSON

See also Education 68, 167–168, 267–268

Equipment

The Department of Geography occupies a suite of five rooms on the second floor of Teachers College. A lecture-room capable of holding fifty, a well-lighted laboratory with table spaces for thirty, two offices, and a large work- and stock-room, compose the suite. The lecture-room is furnished with lantern, models, and wall maps;

the laboratory contains several large models, and has a set of the more important weather instruments in an outdoor shelter. The supply of topographic, climatic, and special maps, of diagrams, of physical models, and of lantern slides is large, and has been especially chosen for use in the several courses announced above.

Geology

JAMES FURMAN KEMP, E.M., Sc.D.....*Professor*
AMADEUS WILLIAM GRABAU, S.D.....*Professor*
CHARLES PETER BERKEY, Ph.D.....*Tutor*
ALEXIS ANASTAY JULIEN, Ph.D.....*Curator*
IDA HELEN OGILVIE, Ph.D.....*Tutor in Barnard College*
WILLIAM CAMPBELL, Ph.D.....*Special Lecturer*
THOMAS C. BROWN, A.M.....*Assistant*

Courses

See preliminary paragraphs, page 38

4—Petrography. *C* 2 hours, *L* 1 afternoon for two months. Compare Mineralogy 6. Dr. BERKEY

16—Index fossils of North America. *C* 1 hour, *L* 8 or more hours. Pre-requisite, Course 101–102 or 103–104. Professor GRABAU and Mr. BROWN

18—General geology. *C* 3 hours lectures. Field work on Saturdays (last six weeks). Dr. BERKEY

101–102—General geology. *C* 2 hours, *L* 2 hours. Professor GRABAU, Dr. BERKEY, and Mr. BROWN

103–104—General geology. 3 hours. Professors KEMP and GRABAU and Dr. BERKEY

105–106—Economic geology. 3 hours. Professor KEMP

107–108—Invertebrate palæontology. *C* 2 hours, *L* at least 4 hours. Professor GRABAU and Mr. BROWN

110—Geological examinations and surveys—Field methods and organization. 2 hours. Professor KEMP

112—Field geology—Ten days field work, and report upon the same, the Eastern section immediately at the close of the spring examinations, the Western section in connection with Mining 11

201–202—Petrology. *C* 2 hours, *L* at least 4 hours. Professor KEMP and Dr. BERKEY

119–120—General geology. Advanced course. Dr. OGILVIE. Lectures, laboratory work, and readings. 4, 6, or 8 points. Pre-requisite: Course 101–102

205–206—Comparative geology—A comparative description and study of the geological formations of North America. 3 lectures and 4 hours reading and laboratory. Professors KEMP and GRABAU

207–208—A dissertation which will furnish the major course for the concluding year of study for the degree of Doctor of Philosophy

209–210—Geology of Europe. 2 lectures and 4 hours laboratory and library work. Professor GRABAU and Dr. CAMPBELL

211–212—Phylogeny of a special group of fossil invertebrates. *C* 1 hour, *L* 6 hours. Professor GRABAU

213–214—Fossil faunas—Course 16 with longer additional conferences. Professor GRABAU

215–216—Stratigraphy. Research course. *L* 6 hours or more. Professor GRABAU

217–218—Palæogeography of North America. Development and changes of former continents and ocean basins. 1 hour seminar, and laboratory according to arrangement. *C* 1 hour, *L* 6 hours to 2 days. Pre-requisite, Geology 205–206, and 16 or 213–214. Professor GRABAU

B 101–102—General geology. 3 hours, equivalent to Course 101–102 above for Barnard and Teachers Colleges. Dr. OGILVIE

B 113—Summer field course—Two weeks in the field, and subsequent preparation of a report. Pre-requisite, B 101–102. Dr. OGILVIE

B 115–116—Palæontology. Index fossils of North America. *C* 1 hour, *L* 2 or 4 hours. Dr. OGILVIE

The department has ample laboratories and a full equipment for its several lines of work. For details see the separately printed *Announcement*.

Related courses in geography are given in Teachers College by Professor R. E. DODGE in close association with this department.

The following courses in palæobotany are offered at the New York Botanical Garden by Dr. ARTHUR HOLLICK

General palæobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and museum.

Cretaceous flora of eastern North America—Collection and determination of specimens from some station with attention to stratigraphic relations. Field and laboratory.

The palæobotanical library and collections of Columbia University have been deposited at the New York Botanical Garden.

Germanic Languages and Literatures

WILLIAM HENRY CARPENTER, Ph.D.....*Villard Professor of Germanic Philology*

CALVIN THOMAS, LL.D., *Gebhard Professor of the Germanic Languages and Literatures*

ELIJAH WILLIAM BAGSTER-COLLINS, A.M.....*Adjunct Professor in Teachers College*

WILLIAM ADDISON HERVEY, A.M.....*Adjunct Professor*

RUDOLF TOMBO, JR., Ph.D.....*Adjunct Professor*

ARTHUR F. J. REMY, Ph.D. ..... *Instructor*
WILHELM ALFRED BRAUN, Ph.D. ..... *Instructor in Barnard College*
ANNINA PERIAM, Ph.D. ..... *Tutor in Barnard College*
FREDERICK WILLIAM JUSTUS HEUSER, A.M. ..... *Tutor*
ERNST RICHARD, Ph.D. ..... *Lecturer*
ALEXANDER OTTO BECHERT, A.M. ..... *Lecturer in Barnard College*

For the significance of course numbers see page 38

Courses in German

A 1–A 2—Elementary course. 3 hours. Professor HERVEY and Mr. HEUSER

B 1–B 2—Intermediate course. 3 hours. Dr. REMY and Mr. HEUSER

2—Longer elementary course. 5 hours. Dr. REMY and Mr. HEUSER

3–4—Composition and colloquial practice. Elementary course. 2 hours. Mr. HEUSER

5–6—Selected works of Goethe, Schiller, and Lessing. 3 hours. Professor HERVEY

7—Historical prose. 2 hours. Professor TOMBO

8—Historical prose. 2 hours. Professor TOMBO

9—Lessing's *Laokoön*. 2 hours. Dr. REMY

10—Lessing's *Hamburgische Dramaturgie*. 2 hours. Dr. REMY

11–12—Composition and colloquial practice. Advanced course. 2 hours. Dr. BRAUN

13—Selections from nineteenth century writers: Kleist and Grillparzer. 2 hours. Mr. HEUSER

14—Selections from nineteenth century writers: Hebbel and Ludwig. 2 hours. Mr. HEUSER

101—History of German literature from the earliest times to the Reformation. 2 hours. Professor TOMBO

102—History of German literature from the Reformation to the nineteenth century. 2 hours. Professor TOMBO

103–104—Goethe's *Faust*. 2 hours. Professor THOMAS

105—German drama in the nineteenth century. 2 hours. Professor THOMAS

106—Modern German dramatists: Hauptmann and Sudermann. 2 hours. Professor TOMBO

107–108—History of the German language. 2 hours. Professor W. H. CARPENTER

109–110—Old High German. 2 hours. Professor W. H. CARPENTER

[111–112—Middle High German. Linguistic course. 2 hours. Professor HERVEY]

113–114—Middle High German. Literary course. 2 hours Professor HERVEY

115–116—Old Saxon. 2 hours. Professor W. H. CARPENTER.

129–130—Outlines of the history of German civilization. 2 hours. Dr. RICHARD

131–132—German civilization in the middle ages. 2 hours. Dr. RICHARD

141–142—Modern German syntax. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

Education 169–170—Theory and practice of teaching German in secondary schools. Lectures, 2 hours; Practical work, 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

[251–252—Proseminar. Great German writers. LESSING (first half-year). Goethe (second half-year). 2 hours. Professor THOMAS]

253–254—Proseminar. Great German writers. Schiller (first half-year). Heine (second half-year). 2 hours. Professor THOMAS

Courses in Scandinavian Languages

117–118—Swedish. 2 hours. Professor THOMAS

[119–120—Danish. 2 hours. Professor THOMAS]

[121–122—Icelandic. Elementary course. 2 hours. Professor W. H. CARPENTER]

123–124—Icelandic. Advanced course. 2 hours. Professor W. H. CARPENTER

Course in Dutch

[125–126—Dutch. 2 hours. Professor W. H. CARPENTER]

Course in Gothic

127–128—Gothic. 2 hours. Dr. REMY

Course in Germanic Philology

201–202—General introduction to Germanic philology. 2 hours. Dr. REMY

Germanic Seminar

301—Uhland's Alte hoch- und niederdeutsche Volkslieder. 2 hours. Professor W. H. CARPENTER

302—The plays of Grillparzer. 2 hours. Professor THOMAS

The Seminar is open to advanced students only. Attendance at the meetings will be obligatory upon candidates for the degree of Doctor of Philosophy whose major subject lies in this department.

Public Lectures

A course of lectures in the German language on popular subjects, intended primarily for the students of the University, but to which the general public is also invited, is given yearly under the auspices of the department.

Journal Club

The Journal Club is an organization founded in 1902 for the purpose of reviewing and discussing important contributions to recent numbers of the numerous journals devoted to Germanic studies. The Club consists of the officers, fellows, and scholars of the department. Meetings are held once in two weeks in the departmental library.

Deutscher Verein

The Deutscher Verein of Columbia University, founded in 1898, is an association of the students and instructors of the University who are interested in the culture of the German language and literature, and in the acquisition of a more intimate knowledge of Germany, of German institutions, and of the German people than is furnished by academic study alone. The active membership consists of instructors in all departments of the University, of students in residence to the limited number of fifty, and of previous members of the Verein who are no longer students. An honorary membership is made up of prominent German-speaking citizens of New York. Stated meetings are held on the second and fourth Mondays of each month in the room assigned to the Verein in West Hall, which is accessible at all times and forms a convenient club and reading-room.

Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. In German literature most periods are well represented. The Goethe collection, which consists of more than 1300 titles, affords to the student of Germany's greatest author an exceptional opportunity for the prosecution of his researches. The Scandinavian collection contains a good representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden. The Holland Society library, deposited with the University in 1901, contains a considerable collection of books and pamphlets in the Dutch language from all periods.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published, and a large collection of the transactions and publications of the learned societies of America and Europe.

A reference library of 1200 volumes, containing the most important subsidia for the critical study of the Germanic languages and literatures—dictionaries, bibliographies, biographies, histories of literature, and the like—and independent of the main collection in the University Library, is placed in a room adjacent to the main lecture-room and the offices of the department in University Hall.

The income of the Carl Schurz Library Fund ($10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

For the Carl Schurz Fellowship in the German Language and Literature, see page 418.

Greek

EDWARD DELAVAN PERRY, Ph.D., LL.D.....*Jay Professor*
JAMES RIGNALL WHEELER, Ph.D.....*Professor of Greek Archæology and Art*
GONZALEZ LODGE, Ph.D.....*Professor of Greek and Latin in Teachers College*
CLARENCE HOFFMAN YOUNG, Ph.D.....*Professor*
CHARLES KNAPP, Ph.D.....*Professor of Classical Philology*
GERTRUDE MARY HIRST, Ph.D.....*Instructor in Classical Philology in Barnard College*
ROSCOE GUERNSEY, Ph.D.....*Tutor*
HARWOOD HOADLEY, A.B...*Lecturer in Classical Philology in Barnard College*
THEODORE LESLIE SHEAR, Ph.D.....*Tutor in Classical Philology in Barnard College*

All Courses numbered below 100, except as given at Barnard College, are closed to women, but Course 27–28 is open to women graduates. The other courses are open to women on the same terms as to men.

Courses

For the significance of course numbers see page 38

1–2—Elementary course. 5 hours. Dr. GUERNSEY

3–4—First half-year: Plato and Lysias. Second half-year: Homer's *Odyssey*, selections. Greek prose composition. 3 hours. Dr. GUERNSEY

5–6—First half-year: Euripides and Sophocles; required reading and lectures on the Greek drama. Second half-year: Demosthenes, with required reading as above. 3 hours. Professor YOUNG (first half-year) and Dr. GUERNSEY (second half-year)

An additional hour weekly in advanced Greek composition is offered.

23–24—Herodotus; Minor Greek poets. 2 hours. Dr. GUERNSEY and Professor PERRY

25–26—First half-year: Sophocles and Aristophanes. Second half-year: Thucydides. For private reading in the course of the year; Plato, *Protagoras* or selections. 3 hours. Dr. GUERNSEY (first half-year) and Professor YOUNG (second half-year)

27–28—Greek composition, advanced course. One session weekly, with written exercises, counting as a two-hour course. Professor YOUNG

51—Introduction to classical archæology. 2 hours. Professor WHEELER, YOUNG, and OLCOTT

101–102—Lectures on Greek literature. Part I: Poetry. 2 hours. Professor WHEELER

105–106—Plato, *Republic*, and Aristotle, *Ethics*. 3 hours. Professor PERRY

113–114—Greek epic poetry. 3 hours. Professor WHEELER

151–152—Introduction to Greek archæology. Part I: Vases, painting. 2 hours. Professor YOUNG

155–156—Lectures on the manners and customs of the ancient Greeks. 2 hours. Professor YOUNG

157–158—Readings from Pausanias. 2 hours. Professor YOUNG

253–254—Greek epigraphy. 2 hours. Professor YOUNG

Classical Proseminar

Lectures on the principles and methods of classical study, with Greek and Latin bibliography, and exercises. 2 hours. Professors PERRY and PECK

Classical Seminar

Greek section: Demosthenes, *Private Orations*. One session weekly throughout the year, counting as a three-hour course. Professor PERRY

Attendance is obligatory upon candidates for the degree of Doctor of Philosophy, and strongly recommended to those for the Master's degree whose major subject lies in this department.

Courses in New Testament Greek at the Union Theological Seminary and the General Theological Seminary

Such courses may count as part of the work required for the degrees of Master of Arts and Doctor of Philosophy at Columbia University; but students who intend to avail themselves of this privilege must come to an understanding with the Dean of the Faculty of Philosophy of Columbia University with regard to equivalence of courses and additional work required, at the time of registering themselves, or of renewing their registration, as candidates for a degree.

Courses in Barnard College

1–2—Beginners' course: Grammar, composition, Xenophon's *Anabasis*, Homer's *Iliad*. 5 hours. Mr. HOADLEY

3–4—Homer and Euripides. Greek prose composition. 3 hours. Dr. SHEAR

5–6—Plato and Xenophon. 3 hours. Miss HIRST and Professor KNAPP

7–8—Sophocles and Aristophanes. 2 hours. Professor KNAPP

9–10—Herodotus and Demosthenes. 3 hours. Miss HIRST

11–12—Rapid reading of Homer. 2 hours. Mr. HOADLEY

17–18—Greek literature. 2 hours. Dr. SHEAR

19–20—Intermediate Greek prose composition. Miss HIRST

21–22—Advanced Greek prose composition. Miss HIRST

23–24—Greek life and thought. 1 hour. Dr. SHEAR

Courses in Teachers College

Education 171–172—Theory and practice of teaching Greek in secondary schools—Lectures reports, and practical work. 3 hours. Professor LODGE

Gynecology

EDWIN B. CRAGIN, M.D.....*Professor*
WILLIAM S. STONE, M.D.....*Chief of Clinic and Instructor*
FRANK S. MATHEWS, M.D.....*Instructor*
FRANK R. OASTLER, M.D.....*Instructor*
HOWARD C. TAYLOR, M.D.....*Instructor*
WILLIAM P. HEALY, M.D.....*Instructor*
CHARLES J. PROBEN, M.D.....*Instructor*

Clinical Assistants

WM. L. BRADLEY, M.D. PERCY H. WILLIAMS, M.D.
HAROLD D. MEEKER, M.D.

Courses

See preliminary paragraphs, page 38

52—The principles and practice of gynecology—Lectures, 3 a week, 2 didactic and 1 clinical. Professor CRAGIN

53—Recitations and demonstrations. 1 hour a week for each student. Dr. MATHEWS

55–56—Minor operations and demonstrations to small sections at the Roosevelt Hospital. 2 a week for four weeks. Dr. TAYLOR

57–58—Practical instruction in diagnosis, treatment, and the use of instruments. 12 lessons for each student, at the Vanderbilt Clinic. Drs. STONE, OASTLER, PROBEN, and HEALY

59–60—Hospital clinic in operative gynecology—Roosevelt Hospital, McLane Operating Theatre, Dr. TUTTLE (optional)

Histology and Embryology

(See note under Pathology, page 123)

FREDERICK RANDOLPH BAILEY, M.D.....*Adjunct Professor*
ADAM MARION MILLER, A.M.....*Instructor*
OLIVER S. STRONG, A.M., Ph.D.....*Instructor*
CHARLES EVERETT BANKER, M.D.....*Assistant*
CHARLES HENDEE SMITH, M.D.....*Assistant*

Courses

51–52—Practical instruction in histology and embryology. 7½ hours. Professor BAILEY and Drs. STRONG, MILLER, BANKER, and SMITH

Equipment

Instruction in histology and embryology is given in the east laboratory on the upper floor of the north wing of the Medical School. This is a large, well lighted, and fully equipped laboratory in which each student is assigned a table which he occupies during the course and which is supplied with a microscope and with the instruments and reagents necessary for the practical laboratory work.

History and Political Philosophy

WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D. *Seth Low Professor*
HERBERT LEVI OSGOOD, Ph.D.....*Professor*
WILLIAM ARCHIBALD DUNNING, Ph.D., LL.D...*Lieber Professor of History and Political Philosophy*

JAMES HARVEY ROBINSON, Ph.D.....*Professor*
WILLIAM ROBERT SHEPHERD, Ph.D.....*Adjunct Professor*
JAMES THOMPSON SHOTWELL, Ph.D.....*Adjunct Professor*
GEORGE WILLIS BOTSFORD, Ph.D.....*Adjunct Professor*
VLADIMIR G. SIMKHOVITCH, Ph.D.....*Adjunct Professor*
CHARLES AUSTIN BEARD, Ph.D.....*Lecturer*
PAUL LELAND HAWORTH, Ph.D.....*Lecturer*
MAUDE ALINE HUTTMANN, A.M.....*Assistant*

Courses

See preliminary paragraphs, page 38

A 1–A 2—Epochs of ancient, mediæval, and modern history. 3 hours. Columbia College, Professor SHEPHERD, Dr. BEARD, and Mr. HAWORTH; Barnard College, Professor SHOTWELL and Miss HUTTMANN

3–4—Greece and early Rome. 3 hours. Professor BOTSFORD

[5–6—The Roman empire. 3 hours. Professor BOTSFORD]

[7–8—Mediæval and modern history to the peace of Westphalia. 3 hours. Professor SHOTWELL]

9–10—Continental European history, modern and contemporaneous. 3 hours. Columbia College, Mr. HAWORTH; Barnard College, Professor SHOTWELL

11–12—English history to the Reform Bill, 1832. 3 hours. Dr. BEARD

13–14—History of the United States to the close of Reconstruction. 3 hours. Columbia College, Professor DUNNING; Barnard College, Professor SHEPHERD

101–102—The history of western Asia and Egypt. 2 hours. Professor PRINCE

[103—History of India and of Persia. 2 hours. Professor JACKSON]

104—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL

111–112—The language, literature, government, and social life of the Chinese. 1 hour. Professor HIRTH

127–128—The intellectual history of western Europe from the break-up of the Roman empire to the Protestant revolt. 2 hours. Professor ROBINSON

139–140—Europe and the French Revolution. 2 hours. Professor ROBINSON

141–142—European history, 1815–1848. 2 hours. Professor SLOANE

[143–144—Contemporary European history since 1848. 2 hours. Professor SLOANE]

155–156—The constitutional history of England to 1689. 2 hours. Professor OSGOOD

[157–158—History of Great Britain during the eighteenth and nineteenth centuries. 2 hours. Professor OSGOOD]

169–170—Political and constitutional history of the United States. 2 hours. Professor SHEPHERD

201–202—History of China. 1 hour. Professor HIRTH

213–214—The period of transition in Roman history from the republic to the empire. 2 hours. Professor BOTSFORD

[215–216—Greek constitutional history. 1 hours. Professor BOTSFORD]

217–218—The development of the Roman imperial system. 2 hours. Professor BOTSFORD

301–302—Seminar in Greek and Roman history. 2 hours, biweekly. Professor BOTSFORD

227–228—Historical bibliography; the sources of European history; methods of historical study. 2 hours. Professors ROBINSON, SHOTWELL, and SIMKHOVITCH

[229–230—Early mediæval institutions and culture from the break-up of the Roman empire to the twelfth century. Open only to those who can read Latin, French, and German readily. 2 hours. Professor SHOTWELL]

231–232—Institutional History of the Later Middle Ages. 2 hours. Professor SHOTWELL

303–304—Seminar in mediæval European history. 2 hours, biweekly. Professors ROBINSON and SHOTWELL

245—History of the primitive and early Catholic church.[1] 3 hours Professor MCGIFFERT

246—History of the western Catholic church and of the Protestant Reformation.[1] 3 hours. Professor MCGIFFERT

247–248—History of Christian doctrine II.[1] (Since the Reformation.) 2 hours. Professor MCGIFFERT

249—Historical training class. Principles and methods of historical investigation.[1] 2 hours. Professor MCGIFFERT

305–306—Seminar in church history.[1] 2 hours. Professor MCGIFFERT

263—History of the church for the first three centuries.[2] 2 hours. Professor KINSMAN

[1] These courses are given at the Union Theological Seminary.
[2] These courses are given at the General Theological Seminary.

264—Period of the councils.[2] 2 hours. Professor KINSMAN

265—Latin Christianity from the fifth to the fifteenth century.[2] 2 hours. Professor KINSMAN

266—The Renaissance and Continental Reformation.[2] 2 hours. Professor KINSMAN

267—The church of England to the end of the seventeenth century.[2] 2 hours. Professor KINSMAN

268—Development of Christianity in modern times.[2] 2 hours, second half-year. Professor KINSMAN

269—Critical study of books I–IV of Eusebius' Church History.[2] 1 hour. Professor KINSMAN

271—The Roman church of the first three centuries.[2] 1 hour. Professor KINSMAN

281—The economic and social evolution of Russia since 1800. 2 hours. Professor SIMKHOVITCH

289—The work of Napoleon. Open only to those who read French and German fluently. 2 hours. Professor SLOANE

[297–298—American colonial history during the seventeenth century. 2 hours. Professor OSGOOD]

299–300—American colonial history during the eighteenth century. 2 hours. Professor OSGOOD

301–302—The American Revolution. 2 hours. Professor OSGOOD

307–308—Seminar in American colonial history. 1 hour. Professor OSGOOD

306—European politics and the war of 1812. Open only to those who read French and German fluently. 2 hours. Professor SLOANE

[307–308—The United States from 1850, with special reference to the Civil War and Reconstruction. 2 hours. Professor DUNNING]

309–310—Seminar in later United States history. 1 hour. Professor DUNNING.

321–322—History of Spanish America. 2 hours. Professor SHEPHERD

311–312—Seminar in the early history of the South and West. 2 hours, bi-weekly. Professor SHEPHERD

[325–326—The development of the West since 1803. 2 hours. Professor SHEPHERD]

Courses in Political Philosophy

181–182—General history of political theories. 2 hours. Professor DUNNING

337–338—American political philosophy. 2 hours. Professor DUNNING

[2] These courses are given at the General Theological Seminary.

313–314—Seminar in political philosophy. 1 hour. Professor DUNNING

Equipment

The University Library contains many of the great published collections for the study of ancient, mediæval, and modern history. The special library of history and political science numbers upwards of 100,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies, and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the *Announcement of the Division of History, Economics, and Public Law*, which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members, opportunities are given for the discussion of questions of interest as presented in papers by specialists.

The department employs in its work the best French and German historical maps and one of the four largest relief globes ever made.

Hospital Economics

Two courses in Hospital Economics are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special *Hospital Economics Announcement.*

See also Botany and Zoölogy.

Latin

HARRY THURSTON PECK, Ph.D., L.H.D., LL.D.....*Anthon Professor*
JAMES C. EGBERT, Ph.D.....*Professor*
NELSON G. MCCREA, Ph.D.....*Professor*
GONZALEZ LODGE, Ph.D., LL.D.....*Professor of Greek and Latin in Teachers College*
CHARLES KNAPP, Ph.D....*Adjunct Professor of Classical Philology in Barnard College*
GEORGE N. OLCOTT, Ph.D.....*Adjunct Professor*
GERTRUDE MARY HIRST, Ph.D.....*Instructor in Classical Philology in Barnard College*
HARWOOD HOADLEY, A.B.....*Lecturer in Classical Philology in Barnard College*
DINO BIGONGIARI, A.B.....*Assistant*
THEODORE LESLIE SHEAR, Ph.D.....*Tutor in Classical Philology*
FREDERIC TABER COOPER, A.M., Ph.D.....*Lecturer in Latin*

Courses

See preliminary paragraphs, page 38

A 1–A 2—First half-year: Livy, xxi–xxii. Second half-year: *Odes*

and *Epodes* of Horace. 3 hours. Professors PECK, EGBERT, MCCREA, and OLCOTT, and Dr. COOPER

1–2—Tacitus: *The Annals* (Books i–iii). Horace: *Satires*. 3 hours. Professor OLCOTT

5–6—Juvenal and Martial. 2 hours. Professor EGBERT

[7–8—Terence: *Andria* and *Adelphoe*. Plautus: *Amphitruo* and *Captivi*. 2 hours. Professor MCCREA]

[9–10—Terence: *Andria* and *Heautontimorumenos*. 2 hours. Professor PECK]

11–12—Prose composition. 1 hour. Mr. BIGONGIARI

[103–104—Rapid reading of Horace and Ovid. 2 hours. Professor PECK]

[107–108—Roman history. Tacitus, *Annals* xi–xvi. 3 hours Professor EGBERT]

[109–110—Lectures on the sources of Roman history. 2 hours. Professor EGBERT]

[111–112—Lucretius (i–iii and v). 2 hours. Professor MCCREA]

[113–114—Selections from Apuleius (The *Asinus Aureus*). 2 hours. Professor PECK]

115–116—Roman oratory: Cicero's *Verrine Orations*. 2 hours. Professor MCCREA

[117–118—Roman oratory. Cicero: *De Oratore*, *Pro Milone*, *Philippica ii.*, *Pro Cluentio*. 3 hours. Professor MCCREA]

119–120—Latin prose composition (advanced course). 1 hour, to count as 2 hours. Professor MCCREA

[121–122—The *Cena Trimalchionis* of Petronius. 2 hours. Professor PECK]

123–124—The history of classical philology. Lectures. 2 hours. Professor PECK

[125–126—Roman tragedy. The Fragments and Seneca. 3 hours. Professor KNAPP]

127–128—Plautus: *The Mostellaria*. Seneca: *The Medea*. 3 hours. Professor PECK

151–152—Roman epigraphy (introductory course). 2 hours. Professor EGBERT

[155–156—Private life of the Romans. Lectures and readings 2 hours. Professor KNAPP]

175–176—The topography and monuments of ancient Rome. The kingly and republican periods to B.C. 31. 2 hours. Professor OLCOTT

[177–178—The topography and environments of ancient Rome. "The Empire." 2 hours. Professor OLCOTT]

201–202—The history of Latin syntax. 2 hours. Professor LODGE

[203–204—Lectures on the history of Greek and Roman prose fiction. 2 hours. Professor PECK]

205–206—Roman lyric and elegiac poetry. 3 hours. Professor MCCREA

207–208—The Latin manuscripts. 1 hour. Professor EGBERT.

[209–210—Roman satire in its historical development. 3 hours. Professor EGBERT]

[215–216—Roman epic poetry. 3 hours. Professor KNAPP]

[217–218—Roman philosophy. Lectures, with a careful reading of Cicero's *De Officiis* and *Tusculanæ*. 3 hours. Professor PECK]

[219–220—Latin literature. Period of the Republic. 2 hours. Professor PECK]

[221–222—Latin literature. Period of the empire. 2 hours. Professor PECK]

[223–224—The Italic dialects—Umbrian, Osco-Sabellian, Faliscan. 1 hour. Professor OLCOTT]

[227–228—Latin versification. Theory and practice. 1 hour. Professor PECK]

257–258—Roman epigraphy (advanced course). 2 hours. Professor OLCOTT

261–262—Introduction to the study of Roman numismatics. 1 hour. Professor OLCOTT

269—Roman archæology. Lectures. 2 hours, first half-year. Professor EGBERT

[270–271—The historical development of the Latin language. 2 hours. Professor PECK]

Classical Proseminar

Lectures on the principles and methods of classical study, with Greek and Latin bibliography. 2 hours. Professors PECK and PERRY

Classical Seminar

301-302 Seminar—Latin Section: Plautus. One session weekly throughout the year. Professor KNAPP

Attendance is obligatory upon candidates for the degree of Doctor of Philosophy, and is strongly recommended to those for the Master's degree whose major subject lies in this department.

Courses in Barnard College

A1–2—First half-year: Horace, *Odes* (selections); Roman Life and Thought (lectures and readings). Second half-year: Vergil, *Eclogues*, Ovid (selections); Roman Life and Thought. 3 hours. Professor KNAPP and Dr. SHEAR.

B1–2—First half-year: Cicero, *De Senectute* and *De Amicitia;* prose composition. Second half-year: Livy, xxi–xxii (selections); prose composition. 3 hours. Professor KNAPP and Mr. HEADLEY.

1–2—First half-year: Catullus, Tibullus, and Propertius. Second half-year: Juvenal and Martial. 2 hours. Miss HIRST and Mr. HOADLEY.

3–4—First half-year: Pliny, *Epistles* (selections). Second half-year. Tacitus, *Annals*, i–vi (selections). 3 hours. Mr. HOADLEY and Miss HIRST.

5–6—First half-year: Terence, *Andria* and *Phormio*. Second half-year: Plautus, *Rudens* and *Menæchmi*. 2 hours. Dr. SHEAR.

7–8—First half-year: Cicero, *Tusculan Disputations*. Second half-year: Lucretius (selections). 3 hours. Professor MCCREA.

9–10—Latin literature (lectures and required reading). 2 hours. Professor KNAPP.

13–14—Intermediate Latin prose composition. 1 hour. Miss HIRST.

Courses in Teachers College

15-16—Advanced Latin Prose Composition. Miss HIRST. 2 points. Th. at 10.

Education 175-176—The teaching of Latin in secondary schools. 3 hours. Professor LODGE.

Education 275-276—Practicum in Latin.—Cæsar and Vergil. 2 hours. Professor LODGE.

Latin 51-52—Latin readings. 3 hours. Professor LODGE.

101-102—Latin readings. Advanced. 2 hours. Professor LODGE.

Latin 201-202—History of Latin Syntax. Professor LODGE.

LAW

Municipal or Private Law

GEORGE W. KIRCHWEY, A.B. ..... *Kent Professor*
FRANCIS M. BURDICK, LL.D. ..... *Dwight Professor*
GEORGE F. CANFIELD, A.M., LL.B. ..... *Professor*
HENRY S. REDFIELD, A.M., LL.D. ..... *Nash Professor*
CHARLES THADDEUS TERRY, A.B., LL.B ..... *Professor*
NATHAN ABBOTT, A.B., LL.B. ..... *Lecturer*
GOLDTHWAITE H. DORR, A.B., LL.B. ..... *Lecturer*
CHARLES H. AYRES, A.B., LL.B. ..... *Lecturer*
ALFRED HAYES, Jr., A.B., LL.B ..... *Lecturer*

Courses

See preliminary paragraphs, page 38

101–102—Contracts. 4 hours. Professor TERRY

103—Criminal law. 3 hours. Professor BURDICK

104—Equity I. 3 hours. Mr. Abbott
105—Elements of law. 3 hours. Professor Munroe Smith
106—Pleading I. 3 hours. Professor Redfield
107–108—Property I. 2 hours. Professor Kirchwey
109–110—Torts. 2 hours. Professor Burdick
[204—Admiralty. 2 hours]
201—Agency. 3 hours. Mr. Dorr
202—Bailments. 3 hours. Mr. Dorr
[206—Bankruptcy. 2 hours. Professor Burdick]
[203—Damages. 2 hours. Mr. Hayes]
205—Domestic relations. 2 hours. Mr. Abbott
207–208—Equity II. 2 hours. Mr. Ayres
211—Insurance. 2 hours. Mr. Hayes
209–210—Negotiable paper. 2 hours. Professor Canfield
213–214—Pleading II. 2 hours. Professor Redfield
215–216—Property II. 2 hours. Professor Kirchwey
217—Quasi contracts. 3 hours. Mr. Abbott
219–220—Sales. 2 hours. Professor Burdick
221–222—Corporations. 2 hours. Professor Canfield
223–224—Equity III. 2 hours. Mr. Ayres
225–226—Evidence. 2 hours. Professor Kirchwey
227—Mortgages. 3 hours. Professor Kirchwey
228—New York trusts. 2 hours. Professor Canfield
229–230—Partnership. 2 hours. Professor Burdick
231—Pleading III. 3 hours. Professor Redfield
233–234—Property III. 2 hours. Mr. Abbott
[235—Receivers. 2 hours]
232—Suretyship. 2 hours. Mr. Hayes
236—Wills. 3 hours. Professor Redfield

Public Law and Jurisprudence

John William Burgess, Ph.D., LL.D.....*Ruggles Professor*
Munroe Smith, J.U.D., LL.D.....*Professor*
Frank Johnson Goodnow, LL.D.....*Eaton Professor*
John Bassett Moore, LL.D.....*Hamilton Fish Professor*

The courses in this department fall into two divisions: public law and jurisprudence. The purpose of the courses in public law is to give a complete general view of international, constitutional, and

administrative law. They serve primarily to supplement the courses in the Departments of History and Economics, and to give with them a complete system of political science. In the second place, they supplement the courses offered by the Faculty of the School of Law, constituting with these a well-rounded legal curriculum. The courses in international, constitutional, and administrative law are also recommended to journalists, students of philosophy and theology, and in general to all who desire to understand the organization and working of governmental systems. The courses on private rights under the Constitution of the United States, on the law of taxation, on the law of municipal corporations, and on conflict of laws are more professional in their character, and are chiefly intended for law students.

The courses in Roman law and comparative jurisprudence, while constituting an integral portion of a complete legal education, will be found useful to all those who desire a general comprehension of the principles of private law rather than a professional training in its details. The introductory course upon the Elements of Law (**161**), that upon the Roman law (**21**), and that upon European legal history (**265–266**) are especially recommended to students of history, economics, and philosophy.

For information as to the Theodore Roosevelt Professorship consult the index.

For the significance of course numbers see page 38

Courses in Public Law

A—Constitutional Law

201–202—Comparative constitutional law of the principal modern states—Lectures. 2 hours. Professor BURGESS

203–204—Private rights and immunities under the Constitution of the United States—Discussion of cases. 2 hours. Professor BURGESS

101–102—American constitutional law in its historical development—Lectures. 2 hours. (Identical with History **169–170**) Professor BURGESS

319–320—Advanced seminar in constitutional law—Investigation and discussion. 1 hour. Professor BURGESS

The courses in the constitutional history of Europe and England (*cf.* courses in history) are regarded as a necessary introduction to the above courses in constitutional law.

B—International Law

221—History of diplomacy—Lectures. 2 hours. Professor MOORE

120—History of American diplomacy—Lectures. 2 hours. Professor MOORE

223–224—International law—Lectures. 2 hours. Professor MOORE

337–338—Seminar in international law. 2 hours. Professor MOORE

C—Administrative Law

243—History and principles of colonial administration—Lectures. 2 hours. Professor GOODNOW

141—Administrative law of the United States and the principal European states—Lectures. 2 hours. Professor GOODNOW

242—Law of officers (extraordinary legal remedies). 2 hours. Professor GOODNOW

244—Municipal science and administration—Lectures. 2 hours. Professor GOODNOW

246—Law of taxation—Lectures and discussion of cases. 2 hours. Professor GOODNOW

245—Law of municipal corporations—Lectures and discussion of cases. 2 hours. Professor GOODNOW

357–358—Seminar in administrative law. 1 hour. Professor GOODNOW

Courses in Roman Law and Comparative Jurisprudence

161—Elements of Law—Lectures and assigned reading. 3 hours. Professor MUNROE SMITH

263–264—Roman Law—Lectures, assigned reading, and discussion of cases. 2 hours. Professor MUNROE SMITH

[265–266—History of European law (early German law; Frankish law; feudalism; the canon law; the law merchant; the reception of the Roman civil law; the modern civil codes)—Lectures. 2 hours. Professor MUNROE SMITH

268—Modern civil law of western Europe: Introduction to the private law of France, Italy, Spain, and Germany.—Lectures. 3 hours. Professor MUNROE SMITH

269–270—Conflict of laws—Lectures and discussion of cases. 1 hour. Professor MOORE

377–378—Seminar in legal history and comparative legislation. 1 hour. Professor MUNROE SMITH

379–380—Advanced seminar in comparative jurisprudence. 1 hour. Professor MUNROE SMITH

Manual Training

Courses in Shop-work

Offered by the Department of Manual Training at Teachers College in connection with the courses in Civil, Electrical, Mechanical, and Mining Engineering.

CHARLES R. RICHARDS, B.S.....*Professor of Manual Training in Teachers College*
CHARLES P. BENNS, M.E.....*Instructor in Shop-work in Teachers College*
C. C. SLEFFEL.....*Instructor in Forging in Teachers College*
CHARLES W. WEICK, B.S.....*Instructor in Wood-working and Pattern-making in Teachers College*

1–2—Carpentry, framing, and joinery. 2 afternoons shop practice. Mr. WEICK

2s—Pattern-making and foundry-work. 100 hours in 3 weeks in June. Mr. WEICK

3—Forging. 1 hour conference, and four laboratory periods first half-year, and two laboratory periods second half-year. Mr. SLEFFEL

4—Bench-work—Machine-tool work. 1 hour conference for instruction, and two laboratory periods. Mr. BENNS

4s—Machine-tool work continued. 100 hours in 3 weeks in June. Mr. BENNS

5*l*—Machine-tool work, with special appliances for rapid and economical production. 2 afternoons. Mr. BENNS

Fifteen courses in Manual Training are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department, which will be sent without charge, upon application to the Secretary of the University.

Materia Medica

(See page 125.)

Mathematics

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D., *Professor and Head of Department*
THOMAS SCOTT FISKE, Ph.D.....*Professor*
FRANK NELSON COLE, Ph.D.....*Professor*
DAVID EUGENE SMITH, Ph.D.....*Professor*
JAMES MACLAY, Ph.D.....*Professor*
CASSIUS JACKSON KEYSER, Ph.D.....*Adrain Professor*
CHARLES EARLE BIKLÉ, A.M.....*Adjunct Professor*
HENRY BEDINGER MITCHELL, E.E., A.M.....*Adjunct Professor*
EDWARD KASNER, Ph.D.....*Adjunct Professor*
GEORGE HERBERT LING, Ph.D.....*Instructor*
ARTHUR RAY MAXSON, A.M.....*Tutor*
WILLIAM HENRY BUSSEY, Ph.D.....*Tutor*
LEWIS PARKER SICELOFF, A.M.....*Tutor*
CAMILLE AUGUSTE TOUSSAINT, A.M.....*Assistant*
GEORGE WILBER HARTWELL, A.M.....*Assistant*

For the significance of course numbers see page 38

Courses

A[1]—Algebra. 2 hours, first half-year. Professors MACLAY, KEYSER, and MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

A[1]—Geometry. 2 hours, first half-year. Professors MACLAY, KEYSER, and MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

A[2]—Trigonometry. 2 hours, second half-year. Professor MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

2—Trigonometry—Spherical trigonometry with applications. 2 hours. Professor MITCHELL, Dr. LING, Mr. MAXSON and Mr. SICELOFF

3-4—Analytical geometry. 3 hours. Professors MACLAY, KEYSER, and MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

5-6—Differential and integral calculus. 3 hours. Professors VAN AMRINGE and FISKE

7—Projective geometry. 3 hours. Dr. LING

9—Solid analytical geometry. 3 hours. Mr. MAXSON

[11—Higher algebra. 3 hours. Dr. LING]

12—Mathematics of statistics. 3 hours. Dr. LING

101-102—Modern theories in geometry. 3 hours. Professor KEYSER

[103-104—Application of the calculus to the theory of surfaces and curves in space. 3 hours. Professor MACLAY]

105—Theory of numbers. 3 hours. Dr. LING

[107—Vector analysis. 3 hours. Professor MITCHELL]

109-110—Elements of quaternions. 2 hours. Professor MITCHELL

[111-112—Modern higher algebra. 3 hours. Dr. LING]

113-114—Differential equations. 2 hours. Professor MITCHELL

151-152—History of mathematics. 2 hours. Professor SMITH

201-202—Advanced calculus—Introduction to the theory of functions of a real variable. 3 hours. Professor FISKE

[203-204—Theory of functions of a complex variable. 3 hours. Professor FISKE]

205-206—Introduction to the theory of functions. 3 hours. Professor COLE

[207-208—Theory of groups. 3 hours. Professor COLE]

209-210—Functions defined by linear differential equations. 3 hours. Professor FISKE

[211-212—The general theory of assemblages. 3 hours. Professor KEYSER]

[213–214—Theory of invariants. 3 hours. Professor Cole]

216—Advanced theory of numbers. 3 hours. Dr. Ling

217–218—The application of the calculus to the theory of surfaces. 3 hours. Professor Maclay

[219–220—Differential equations and continuous groups. 2 hours. Dr. Kasner]

221–222—Theory of plane curves. 3 hours. Professor Cole.

223–224—The principles of mathematics. 3 hours. Professor Keyser

225–226—Partial differential equations. 2 hours. Professor Kasner

227–228—Elliptic functions. 3 hours. Professor Maclay

Courses Given Separately at Barnard College

Course A^1–A^2 is given by Dr. Kasner and Dr. Bussey. Courses in Analytical Geometry (No. 21, 3 hours), in Elementary Calculus (No. 22, 3 hours), in Differential Equations (Nos. 29–30), and in the Fundamental Concepts of Modern Mathematics (Nos. 33–34, 3 hours), by Professor Kasner

Courses in the Theory of Equations (Nos. 23–24, 3 hours), and in Projective Geometry (Nos. 27–28, 3 hours), Advanced Analytical Geometry (Nos. 31–32, 3 hours), by Dr. Bussey; and in Calculus (Nos. 5–6, 3 hours), by Professor Cole

Equipment

In connection with the Department of Mathematics and in addition to the regular library facilities there is a large and fully equipped reading-room in which are available the current numbers of over one hundred and fifty mathematical journals and periodicals, including nearly every mathematical journal of standing published.

The departmental equipment contains a number of models illustrating propositions of solid geometry, conic sections, and surfaces of second and higher orders. The models of the surfaces of higher order exhibit the principal curve systems, singularities, and especially the various types of conical singularities. Descriptive geometry is illustrated by an appropriate series of models and projections. A series of charts illustrate the theory of plane algebraic curves, especially those of the fourth order, the resolution of higher plane singularities into equivalent elementary singularities, the expression of functions by means of infinite series and infinite products, and conformal representation by means of algebraic and elliptic functions.

Teachers College is well supplied with models and apparatus for use in teaching mathematics in all grades, from the kindergarten through

the high school, together with various instruments for mechanical computation including the latest form of De Colmar arithmometer. For work in the history of mathematics a large collection of stereopticon slides has been prepared, illustrating many of the most interesting manuscripts and early books on mathematical subjects.

Mechanical Engineering

FREDERICK R. HUTTON, E.M., Ph.D., Sc.D. ..... *Professor*
IRA H. WOOLSON, E.M. ..... *Adjunct Professor*
CHARLES E. LUCKE, M.S., Ph.D. ..... *Adjunct Professor*
WALTER RAUTENSTRAUCH, M.S. ..... *Adjunct Professor*
CLIFFORD T. SWART, Mech.E. ..... *Tutor*
R. M. STRONG, Mech.E. ..... *Assistant*
J. S. MACGREGOR, B.S., M.S. ..... *Assistant*
S. H. WOODS, Mech. E. ..... *Assistant*

Courses

See also preliminary paragraphs, page, 38

6—Properties of materials—First half: Timber; causes of decay and processes of preservation; fireproofing, etc. 2 hours. Professor WOOLSON

7–8*c*—Properties of materials—Properties of constructive materials by lecture and tests. 2 hours. Professor WOOLSON

7–8*l*—Testing materials of engineering. Afternoon hours. Professor WOOLSON

11–12—Engineering of power plants—Steam-engines and their mechanisms. 1 hour. Professor HUTTON

13—The steam-engine and its accessories—The power plant concluded. 2 hours. Professor HUTTON

14—The steam-boiler and its accessories—The power plant concluded. 2 hours. Professor HUTTON

15—Valve-gearing for engines. 1 hour, and afternoon work in draughting-room. Professor RAUTENSTRAUCH

17–18—Heat and heat engines. 1 hour. Professor LUCKE

19–20—Steam-engine design. 2 hours, with afternoon work in drawing-room. Professor RAUTENSTRAUCH

21–22*c*—Principles and design of the gas engine. 3 hours, first half-year; 2 hours and 1 afternoon, second half-year. Professor LUCKE

24—Motors other than steam. 2 hours. Professor HUTTON

25–26—Power plant layout and specification. 2 hours and 1 afternoon, first half-year, and 1 hour and 1 afternoon, second half-year. Professor LUCKE

31–32*c*—Experimental mechanical engineering [Laboratory methods. Calibration. Solution of problems]. 1 hour. Professor LUCKE

31–32*l*—Calibration and simple measurements. 1 afternoon. Mr. SWART and assistants

33*c*—Experimental mechanical engineering—Continuation of Course 31–32 Solution of problems from tests of Course 32. 1 hour lecture. and 2 afternoons. Professor LUCKE and assistants

35–36—Machinery and mechanism. 2 hours. Professor WOOLSON

37—Mechanics of materials. 4 hours. Professor RAUTENSTRAUCH

39–40—Engineering design and drawing. 1 hour, first half-year; 2 hours, second half-year; afternoon work in drawing-room. Professor RAUTENSTRAUCH

41–42—Machine design. 1 afternoon, first half-year; 4 afternoons, second half-year. Professor RAUTENSTRAUCH

46—Pumps, pumping machinery, and hydraulics. 3 hours. Professor RAUTENSTRAUCH

51–52—Shop methods for economical production. 1 hour first-half. 2 hours second half. Professor HUTTON

54—Workshop economics and specifications. 1 hour. Mr. BENNS

69—Engineering of Power-plants. 1 hour. Professor LUCRE

71—Heat and its applications. 3 hours. Professor HUTTON

76—Experimental mechanical engineering—Selections from 31–32 Lecture and laboratory. Professor LUCKE

77—Continuation of 76. Professor LUCKE

91s—Vacation class in mechanical engineering—During the latter half of the school year visits are made to shops, factories, iron and steel works, and pumping stations. Professors HUTTON, RAUTENSTRAUCH, and LUCKE

92s—Summer work between first and second years—Memoir or drawings.

94s—Summer work between second and third years—Memoir or drawings.

96s—Summer work between third and fourth years—Memoir, test, report, or special laboratory work. Professors HUTTON, RAUTENSTRAUCH, and LUCKE

99—Graduation thesis. Professor HUTTON and other professors

201–202—Special problems and original investigations in advanced mechanical engineering. Professor LUCKE

203–204—Mechanics of the steam turbine. Professor LUCKE

205–206—Balance, shaking, and vibration in machines. Professor LUCKE

Equipment

The Department of Mechanical Engineering both has its own special equipment and also enjoys the admirable and complete equipment of other departments for the use of its students.

The Mechanical Laboratories are located partly in the great basement annex area north of Engineering and beneath the esplanade in front of Havemeyer, and partly in Engineering. Their area exceeds 9000 square feet, giving a length in one span of over 210 feet and a width of 32 and 35 feet. These laboratories are equipped for testing in all the branches specifically belonging to mechanical engineering, as well as for research in this department.

For description in detail of the equipment of these laboratories, reference may be made to the *Announcement of the Division of Engineering*.

The Draughting-Rooms on the top floor of Engineering are splendidly lighted and of very large extent, and are fitted not only with the best forms of drawing tables and furniture, but also with extensive collections of patterns, models, and illustrative drawings, blue prints, photographs, and prints, which are useful both as copies and for training in design.

Lecture- and Class-Room Illustration is effected by extensive use of material from the collections of models, specimens, and samples in the museum, and of photographs exhibited as lantern-slides by projection in an illuminated room, by drawings and blue prints, and by electrotype prints and wall diagrams.

The Workshops are located in the Macy Manual Arts building of Teachers College, 120th Street. The wood-working course is planned to lead up to pattern-making and foundry-work. The foundry division has facilities for bench and floor moulding, and for limited work with sweeps. The second division includes the shops for metal-working.

Summer and Vacation Work

To derive the advantages possible from continuous work in the shop, two summer classes are maintained, each covering about one hundred working hours, beginning June 1. If necessary another similar term will be arranged for September. These form parts of the regular shop-work course of Mechanical Engineering, but are also intended to permit students from other schools, where these facilities are lacking, to comply with the requirements of the regular course by extra application and overtime work.

During the session, and on occasional holidays, students are given opportunities to visit engineering works, machine shops, factories, and industrial establishments in the city and its environs. More elaborate excursions are arranged for the advanced students to special places or

districts, under the supervision of the professors or instructors. The summer between the third and fourth years is intended to be preparatory to fourth-year purely professional work, and generally consists of a technical report of some plant, machine, or process examined by the student.

Mechanics

(See Physics)

Metallurgy

HENRY M. HOWE, A.M., B.S., LL.D.....*Professor*
BRADLEY STOUGHTON, Ph.B., B.S.....*Adjunct Professor*
WILLIAM CAMPBELL, Ph.D., D.Sc.....*Instructor*
EDWARD F. KERN, Ph.D.....*Tutor*
CORNELIS OFFERHAUS, Ph.D .....*Assistant*

Courses

See introductory paragraphs, page 38

1—Metallurgy of copper. 2 hours. Dr. KERN

2a—General metallurgy. 2 hours lectures for six weeks. Professor STOUGHTON

2b—Metallurgy of lead. 2 hours lectures for nine weeks. Dr. CAMPBELL

3a—Metallurgy of steel and iron—Shorter course. 3 hours lectures for five weeks. Professor STOUGHTON

3b—Metallurgy of silver, gold, zinc, and minor metals. 2 hours lectures for ten weeks. Dr. CAMPBELL

4—Metallurgy of iron and steel—Longer course. 2 hours lectures. Professor STOUGHTON

71–72—Laboratory work—Shorter course. 10 afternoons. Dr. CAMPBELL and Assistant

171–172—Laboratory work—Longer course. 4 afternoons. Dr. KERN and Assistants

62 (*s*)—Summer course in non-ferrous metallurgy. Dr. CAMPBELL or Dr. KERN and Assistants

64 (*s*)—Summer course in iron and steel. Professor STOUGHTON and Assistants

62 & 64—Two courses of three weeks each are given at metallurgical works in studying the operations there carried out. The students are given individual and class instruction and are required to make complete descriptions of the various processes, including sketches of furnaces and apparatus.

51—Extens on of Metallurgy 1. 1 hour conference. Dr. KERN

52 a—Extension of Metallurgy 2 a. 1 hour conference for six weeks. Professor STOUGHTON

52 b—Extension of Metallurgy 2 b. 1 hour conference for nine weeks. Dr. CAMPBELL

53—Extension of Metallurgy 3 b. 1 hour conference for ten weeks. Dr. CAMPBELL

54—Extension of Metallurgy 4. 2 hours conference. Professor STOUGHTON

55—Metallurgy of alloys. 3 hours conference for five weeks. Dr. CAMPBELL

201-5—Special courses, in pyrometry, the microstructure of metals and alloys, the chemistry of roasting processes, etc., consisting of personal instruction and original experimental investigation, will be arranged for advanced students, either at metallurgical works into processes in actual use there, or in the metallurgical and analytical laboratories of the department.

METALLURGICAL EXCURSIONS—During the term the students see, at the metallurgical works near the city, iron blast furnaces, Bessemer and open-hearth steel making, lead and copper smelting copper Bessemerizing and refining by furnace and electrolytic methods, the desilverizing of base bullion, and the parting and refining of gold and silver by electrolytic and acid methods.

Equipment

LECTURE DIAGRAMS—There are very many large lecture diagrams, showing the various metallurgical appliances, and the sequence of metallurgical processes, besides many models, drawings, and apparatus for lecture demonstrations — for instance, in the heat-treatment and rolling of metals and in wet processes.

METALLURGICAL COLLECTION—There is a collection of about 3000 specimens of ores, metals, and metallurgical products, and a rapidly forming collection of microscopic sections and photomicrographs of metals and alloys.

ANALYTICAL LABORATORY—The department has an analytical laboratory open to the students in Metallurgy.

METALLURGICAL LABORATORY — 1. *Instruments of Precision of Metallurgy*—There are enough Le Chatelier thermo-electric pyrometers to give each student the exclusive use of one throughout his course and many others of various kinds, some of great precision, some with autographic attachments, etc.

For the microscopic study of metals there are many special microscopes with appliances for polishing, solerometers, a drop-testing machine, special testing machines for metals, ammeters, etc.

2. *For Analytical Metallurgy*, or the study of the principles and reactions of metallurgy taken singly as distinguished from the several industrial processes each taken as a unit there are many special furnaces heated by electricity or gas, a small power-driven roll-train, etc.

3. *For Applied Metallurgy* there are, besides the common furnaces, special crucible melting furnaces, muffles, etc., a cupola furnace, an English cupelling furnace, two small reverberatory roasting furnaces, a set of lixiviating and precipitating vats, amalgamating pans, kettles for desilverizing lead, a chlorinating barrel, storage batteries, voltmeters and ammeters for electrolysis, and a working stock of ores, refractory materials, fluxes, alloys, iron, and of very many varieties of steel.

4. *Advanced Students*—The laboratory gives advanced students and practitioners unusual advantages for investigating accurately the scientific and many of the economic problems of metallurgy.

METALLURGICAL LIBRARY—The Metallurgical Department has its own metallurgical library, about sixteen hundred volumes.

Mineralogy

ALFRED J. MOSES, E.M., Ph.D. ..... *Professor*
LEA McI. LUQUER, C.E., Ph.D. ..... *Adjunct Professor*
MAURICE A. LAMME, B.S., A.M. ..... *Tutor*
J. EDWIN SINCLAIR, B.S. ..... *Assistant*

The following courses or their equivalents are pre-requisite: Physics A for Courses 1–2, 3–4, 7–8; Chemistry A for 1–2 and 3–4, 7–8; Course 3–4 for 207–208, 209–210, 211–212; Course 5 for 6.

Courses

See preliminary paragraphs, page 38

1–2—Descriptive and determinative mineralogy. *C* 3 hours, *L* 2 afternoons. Professors MOSES and LUQUER, Mr. LAMME, and Mr. SINCLAIR

3–4—General mineralogy—*C* 2 hours, L 1 afternoon. Professor MOSES

5—The minerals of building-stones and the common ores. *C* 2 hours, and *L* 1 afternoon. Professor LUQUER and Assistant

6—Optical mineralogy—Minerals in rock sections. *L* 2 afternoons for two months. Professor LUQUER and Assistant

7–8—Mineralogy and crystallography. *C* 3 hours, *L* 2 afternoons. Professors MOSES and LUQUER, Mr. LAMME, and Mr. SINCLAIR.

15–16—Mineralogy—Minerals important in the chemical industries. *L* 1 afternoon. Professor MOSES and Assistant

207–208—Optical mineralogy. *C* 1 hour, *L* 1 afternoon. Professor LUQUER

209–210—Physical crystallography. *C* 1 hour, *L* 1 afternoon. Professor MOSES

211–212—Mineralogy—Study of assigned subject. 12 hours for two years. Professor MOSES

Equipment

The work of the students in the college courses and in general mineralogy is performed in the lecture-room, in the blowpipe laboratory, and in the adjoining conference-room, in which are the student collections of crystal models and minerals and several thousand unlabelled specimens used in determinative work. The department possesses also about 1200 sections of minerals and rocks, and 1500 crystal models in wood and glass. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic light determinations there is provided a large dark-room.

The Egleston Mineralogical Museum contains about 30,000 labelled specimens, and includes a systematic collection, an economic collection of ores, building materials, and minerals used in chemical industries, a collection illustrating the genesis and alteration of minerals a collection illustrating the characters of minerals, and small collections of artificial minerals and New York City minerals.

Mining

HENRY S. MUNROE, E.M., Ph.D., Sc.D.....*Professor*
ROBERT PEELE, E.M.....*Professor*
EDWARD L. KURTZ, E.M.....*Instructor*
WALTER R. CRANE, Ph.D.....*Instructor*

For a more detailed statement of the work in Mining the reader is referred to the special Announcement of the School of Mines for 1906–07

Courses

See preliminary paragraphs, page 38

51—Excavation and tunnelling. 3 hours. Professor PEELE

52—Boring and shaft-sinking. 3 hours for 3 months. Professor PEELE

54—Prospecting, exploration, development, and methods of working. 3 hours. Professor MUNROE

55—Mine surveying, sampling, and valuation. 1 hour. Professor MUNROE

56—Mine engineering. Surface handling and transportation; transshipment and storage of minerals. Drainage. Water supply. Ventilation. Accidents. 2 hours. Professor MUNROE

70—Mine constructions. Building materials, retaining walls, trestles, ore-bins, etc. 1 hour. Professor PEELE

71–72—Mine plant. Hoisting, drainage, ventilating and compressed-air plant, machine drills, coal cutters, and underground handling and haulage. 3 hours. Professor PEELE

75—Design of mine plant. Working drawings of specified portions of mine plant, made under supervision and advice in connection with graduating project. 5 afternoons. Professor PEELE, Mr. KURTZ, and Dr. CRANE

77–78—Graduating thesis or project. Professor PEELE

80—Mill constructions. 1 hour. Mr. KURTZ

81–82—Ore dressing, gold milling, and the mechanical preparation of coal. 3 hours for 5 months. Professor MUNROE

82a—Ore-dressing laboratory. Working tests. Adjustment, operation, and sampling of concentrating machines. Afternoon work for three weeks. Professor MUNROE, Mr. KURTZ, and Dr. CRANE

91–92—Administration, organization, and business management. 1 hour. Professor MUNROE and Mr. KURTZ

94—Mining law. 1 hour. Mr. KURTZ

95—Mining practice, conference. 1 hour. Dr. CRANE

Summer Course

59s—The summer course of practical mining is held in June and July, in the vacation between the third and fourth years, and lasts six weeks. Professor PEELE, Mr. KURTZ, and Dr. CRANE

The course of instruction includes four weeks' detailed study of the plant and methods of working at some important mine or mines selected for the purpose; one week mine surveying; and one week excursion to other mines and mining regions. Arrangements are also made at other mines, by which students in small groups may substitute, for the above, independent study under the general direction of the department.

Graduate Courses

Special courses, consisting of personal instruction, reading, and experimental investigation, will be arranged for advanced students according to their individual needs and ability. These investigations will be made at mines and dressing works, either in connection with the summer school or elsewhere as assigned, with additional work, as required, in the library and in the laboratories of the department.

These courses vary in difficulty and in the amount of time necessary, according as the student is a candidate for the degree of A.M. or Ph.D., and according as he pursues mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 18 hours a week (outside reading and study included) if taken as a major subject, and about 9 hours a week if taken as a minor subject. The following are suggested:

101–102—Mining and ore dressing—Mining **54, 81–82,** and **82a.** 4 hours, with laboratory work and reading as required.

103–104—Mining engineering—Mining **56, 71–72,** and **91–92.** 4 hours lectures and reading as required.

105–106—Design of mine plant—Mining **70, 71, 72, 75, 77,** and **78.** 3 hours and 5 afternoons draughting-room work.

107–108—Design of ore-dressing works—Mining **80, 81, 82,** and **82a,** with 1 hour conference additional. 3 hours and 5 afternoons laboratory and draughting-room work.

109–110—Mining—**51, 52, 54, 55, 56, 59, 70, 71–72, 75, 77–78, 80, 81–82, 82a, 91–92, 93, 94** and **95,** being all the undergraduate courses in the Department of Mining.

201–202—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits.

203–204—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines.

205–206—Deep mining—Study of problems involved.

207–208—Ore dressing—Critical study of some detail of the ordinary dressing methods.

209–210—Examination of a coal-washing plant, or an ore-dressing plant—4 to 6 weeks' work in the mill and in the laboratory, with conferences.

211s—Examination of a mineral property, or a mine—4 to 6 weeks devoted to field and underground work, with conferences at convenience of professor.

213–214—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal.

Equipment

Lecture Illustrations—The lectures on mining are illustrated by 5 sets of books aggregating over 300 volumes, and containing 85,000 blue prints from negatives made for the purpose. There are a sufficient number of these books, illustrating the different courses of lectures, so that each student has the use of one or more for reference

during the lectures and for home study. These blue prints have many advantages over the usual form of lecture illustrations by lantern slides or wall diagrams. The latter are, however, used when necessary to supplement the blue prints.

Mining Library—The University Library contains sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large collection of books on mining, and all new publications of value are added as they appear. In addition, a small departmental reference library has been created, which is accessible to students at all times.

Mining Museum—The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries. Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plant. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

Mining Laboratories—The basement and sub-basement of the School of Mines are equipped as laboratories for the department of mining. These laboratories serve four purposes: 1. To illustrate the physical laws bearing on mineral separation. 2. To afford opportunity for quantitative working tests. 3. To train students in the adjustment and operation of concentrating machinery, and in the making of efficiency tests under working conditions. 4. To give advanced students and others all necessary facilities for original investigation.

Mines and Dressing Works—Many coal, iron, and other mines, slate and stone quarries, and metallurgical works are easily accessible. Within a radius of one hundred miles of New York City may be studied numerous examples of the best practice in mining and metallurgy under most varied conditions, and some of the most modern and effective mining and dressing machinery and smelting plants in the country. The excursions of the summer class in mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, Colorado, Arizona, Utah, and California.

The metropolitan situation of the school renders it possible to present, also, as parts of the regular courses in mining, special lectures by prominent engineers. The list of such lecturers for 1906–07 and more detailed information as to the courses offered and as to the facilities for instruction will be found in the *Announcement of the School of Mines* for 1907–08.

Music

CORNELIUS RÜBNER.....*Professor*
LEONARD BEECHER MCWHOOD, A.B.....*Adjunct Professor*

Courses

See preliminary paragraphs, page 38

1–2—General Musical Course. 1 hour. Professor MCWHOOD

5–6—Harmony. 2 hours. Professor MCWHOOD

10—The Analysis of Musical Sound. 1 hour. Professor MCWHOOD

11–12—Musical Dictation. 1 hour. Professor MCWHOOD

[13–14—Musical Dictation, advanced. 1 hour. Professor MCWHOOD]

15–16—Men's Chorus (Glee Club). 2 hours. Professor MCWHOOD

17–18—University Orchestra. 2 hours. Professor RÜBNER

19–20—University Chorus. 1 hour. Professor RÜBNER

101–102—General Musical Course, advanced. 1 hour. Professor RÜBNER

103–104—Advanced Harmony and Practical Composition. 1 hour Professor MCWHOOD

105–106—Counterpoint. 2 hours. Professor MCWHOOD

107–108—Free Composition. 1 hour. Professor RÜBNER

109–110—Orchestration. 1 hour. Professor RÜBNER

111–112—Free Composition, advanced. 1 hour. Professor RÜBNER

113–114—Orchestration and Symphonic Form, advanced. 1 hour. Professor RÜBNER

For the courses in music offered at Teachers College see the *Announcement of Teachers College*

The Department of Music offers numerous concerts and recitals to the University. These include various concerts of chamber music, an annual recital of original compositions by students in the department, and the regular concerts of the University Orchestra, the Glee Club, and the University Chorus.

Equipment

A collection of music and of books of reference is placed at the disposal of students. It includes the complete works of various composers, many orchestral and opera scores, the piano-forte classics, and vocal music, besides many theoretical, historical, and biographical works. The department has also a collection of instruments for the use of students participating in the University Orchestra.

Neurology

M. Allen Starr, M.D., LL.D., Sc.D.....*Professor*
Frederick Peterson, M.D.....*Clinical Professor of Psychiatry*
Pearce Bailey, M.D.....*Clinical Lecturer*
R. H. Cunningham, M.D.....*Chief of Clinic and Instructor*
E. L. Hunt, M.D.....*Instructor*

Clinical Assistants

C. E. Atwood, M.D.
S. P. Goodhardt, M.D.
Smith Ely Jelliffe, M.D.
B. E. Krystall, M.D.
L. S. Manson, M.D.
L. Pierce Clark, M.D.
H. R. Humphries, M.D.
Thos. P. Prout, M.D.
G. W. Todd, M.D.
E. J. McEntee, M.D.
J. E. Clark, M.D.
J. L. Macumber, M.D.
C. F. Haviland, M.D.
C. D Cleghorn, M.D.
Charles Rosenbeck, M.D.

Courses

See preliminary paragraphs, page 38

51–54—Didactic lectures with lantern demonstration on nervous diseases. 1 hour, four months for two years. W. 11 A.M. Professor Starr

Spinal Cord and Nerves, 1906. Brain and Functional diseases, 1907.

55–56—Clinical lectures. 1 hour, W. 2 P.M. Professor Starr

57–58—Section teaching—Practical neurology. Ten lessons. Dr. Cunningham and Dr. Hunt

60—Clinics on insanity. 4 hours in February. Dr. Bailey

Obstetrics

Edwin B. Cragin, M.D.....*Professor*
Harry McM. Painter, M.D.....*Professor of Clinical Obstetrics*
James D. Voorhees, M.D.....*Lecturer*
George H. Ryder, M.D.....*Instructor*

Courses

See preliminary paragraphs, page 38

51—Theory and practice of obstetrics—Lectures. 3 hours, two didactic and one clinical. Professor Cragin

53–54—Recitations and demonstrations. 1 hour for each student. One sixth of the class receives instruction daily, by recitations and demonstrations. Dr. Voorhees

55–56—Practical instruction at the Sloane Maternity Hospital. The class is divided into sections of six, each section remaining on duty at the Hospital for two weeks. Dr. RYDER

57–58—Out-patient Service at Vanderbilt Clinic. Professor PAINTER

The Sloane Maternity Hospital

The Sloane Maternity Hospital is situated upon the grounds of the College of Physicians and Surgeons, and the service is under the exclusive direction of the Professor of Obstetrics in the College, one of the Instructors in Obstetrics being the resident physician.

The wards of the Hospital furnish one hundred and twenty-four beds, and there are ample accommodations for the house staff, students, and nurses. The operating-room is equipped with all modern surgical and obstetrical conveniences, and weekly clinics for the entire third-year class are given here during the first half-year. The number of deliveries averages over fifteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

Oriental Languages

CHINESE

FRIEDRICH HIRTH, Ph.D. ..... *Dean Lung Professor*
BERTHOLD LAUFER, Ph.D. ..... *Lecturer*

Courses 105–106, 107–108, 109–110, and 111 are designed for students not wishing to become specialists.

See preliminary paragraphs, page 38.

101–102—Elementary course in the Chinese written language. 3 hours. Professor HIRTH and Dr. LAUFER

201–202—Analysis and translation of easy commercial documents. 2 hours. Professor HIRTH

203–204—Analysis and translation of selected easy literary texts. 2 hours. Professor HIRTH

205–206—Helps and keys in Chinese literature. 1 hour. Professor HIRTH

103–104—The Mandarin dialect. 2 hours. Professor HIRTH and Dr. LAUFER

105–106—History of the Chinese Empire. 1 hour. Professor HIRTH

107–108—Language, literature, government, art, and social life of the Chinese. 2 hours. Professor HIRTH

109–110 (=Anthropology 111–112)—Archæology and ethnography of China (Farther India and Central Asia). 2 hours. Dr. LAUFER

111(=Anthropology 113)—Ethnography of Japan, Korea, and Formosa. 1 hour. Dr. LAUFER

213–214—Elementary course in Tibetan, Manchu, or Mongolian. 1 hour. Dr. LAUFER

Seminars

The Seminars are for research work and special study in three directions: (*a*) modern government matters; (*b*) historical literature; and (*c*) literature on art, industry, and culture. Any two will be offered in each academic year, according to the needs of students.

301–302—Seminar for the study of Chinese government matters. 2 hours. Professor HIRTH

303–304—Seminar for historical studies in Chinese literature. For Chinese and Japanese students especially: China's relations with the Roman Empire and Western Asia. 2 hours. Professor HIRTH

305–306—Seminar for the study of Chinese art, industry, and general culture. 1 hour. Professor HIRTH

Pending the completion of the collection of Chinese books now in the course of formation in connection with the Columbia Library, Professor HIRTH's Courses and Seminars will be held in his private library, near Columbia University, 501 W. 113th Street.

SEMITIC LANGUAGES

RICHARD J. H. GOTTHEIL, Ph.D.....*Professor*
JOHN DYNELEY PRINCE, Ph.D.....*Professor*
ABRAHAM YOHANNAN, Ph.D.....*Lecturer*
ROBERT J. LAU, Ph.D.....*Gustav Gottheil Lecturer*

See preliminary paragraphs, page 38

Hebrew

101–102—Biblical Hebrew, elementary course—Davidson's *Introductory Hebrew Grammar*. 2 hours. Dr. LAU

103—Biblical Hebrew, second course. Selections from Isaiah. 2 hours. Professor PRINCE

104—Biblical Hebrew, second course. Selected prose readings. 2 hours, second half-year. Professor GOTTHEIL

Students registering for this course must take both 103 and 104.

[105—Biblical Hebrew, third (lecture) course. Semitic archæology and its bearings upon the study of the Bible. Professor GOTTHEIL]

106—The history of the literature of the Old Testament; Lectures on the origin and development of Hebrew literature. 1 hour. Professor PRINCE

Other courses in Hebrew are given at the Union Theological Seminary.

Courses in Rabbinical Hebrew

107–108—Selected readings from the Mishnah—Text-books: Strack's *Joma* (Berlin, 1888), and *Schabbath* (Leipzig, 1890). 2 hours. Professor GOTTHEIL

109–110—Selected readings from the Talmud, Treatise Berachoth. 2 hours. Professor GOTTHEIL

201—Lectures on post-Biblical Hebrew literature. 2 hours, first half year. Professor GOTTHEIL

Epigraphy

These courses are intended to cover the whole field of Semitic Epigraphy during a period of three years. For Course 203–204 a previous knowledge of Hebrew is required; for Course 205–206, of Aramæan; and for Course 207–208, of Arabic.

203–204—Interpretation of the Phœnician inscriptions, with an introduction to Semitic palæography and the history of the alphabet. *Corpus Inscriptionum Semiticarum*, vol. i. 1 hour. Professor GOTTHEIL

205–206—Interpretation of the Aramæan inscriptions of Sinjirli and of the *Corpus Inscriptionum Semiticarum*, vol. ii. 1 hour. Professor GOTTHEIL

207–208—Interpretation of the Sabæan and Himyaritic inscriptions contained in the *Corpus Inscriptionum Semiticarum*, vol. iv. Professor GOTTHEIL

ASSYRIAN

111–112—Assyrian elementary course—Study of the syllabary, with readings from Delitzsch's *Assyrische Lesestücke* (4th ed., 1901). 2 hours. Professor PRINCE

209–210—Advanced course—Study of the texts in II. and IV. Rawlinson. Sumerian studies. 2 hours. Professor PRINCE

211–212—Advanced course—Sumerian lexicography. 2 hours. Professor PRINCE

213–214—Modern Babylonian building inscriptions. 2 hours. Dr. LAU

ARABIC

113—Arabic elementary course—Grammar and translation. 2 hours, first half-year. Dr. LAU

114—Second course—Study of Brünnow's *Chrestomathie aus ara-*

bischen Prosaschrifstellern. 2 hours, second half-half-year. Dr. LAU

215–216—Advanced course—Selections from the *Annals of Tabari* and from the *Prolegomena of Ibn Khaldun.* 2 hours. Professor GOTTHEIL and Dr. LAU

217–218—Modern Arabic, dialect of Egypt. 2 hours. Professors GOTTHEIL and PRINCE

SYRIAC

115–116—Syriac first course. Brockelmann's *Syrische Grammatik.* Dr. LAU

117–118—Second course. Historical Texts; Modern Syriac. Professor GOTTHEIL and Dr. YOHANNAN

ETHIOPIC

219–220—Ethiopic—Principles of the grammar and reading of the extracts in Prætorius, *Ältiopische Grammatik.* 1 hour. Professor GOTTHEIL

Oriental History

119—The ancient history of Western Asia from the earliest times until the period of Alexander the Great. 2 hours. Professor PRINCE. Identical with History 101–102

120—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL. Identical with History 104

309–310—Semitic Seminar—The Seminar will take up the study of current questions in Semitic philology and history with especial reference to modern methods of research. 2 hours. Professors GOTTHEIL and PRINCE

Attendance at the Seminar meetings will be obligatory upon candidates for the degrees of Master of Arts and Doctor of Philosophy whose major subject is in Semitic Languages. The meetings are open also to advanced students one of whose minor subjects is in the Department of Semitic Languages.

Egyptian

[221—Egyptian—Elementary course in Coptic. 1 hour. Professor PRINCE.]

[222—Egyptian hieroglyphs and advanced Coptic. 1 hour. Professor PRINCE]

Turkish

123–124—Turkish—principles of the grammar. Exercises in Turkish

conversation and in the reading of Turkish newspapers. 2 hours. Dr. Yohannan

Courses in Semitic Languages at the Union Theological Seminary

A detailed announcement of these courses is given in the circular issued by the Division of Oriental Languages. Such courses may be counted as part of the work required for the degrees of Master of Arts and Doctor of Philosophy.

Equipment

The Columbia University Library (about 390,000 volumes) contains most of the important periodicals which deal with Oriental research, and has quite a rich collection of the publications of the learned societies of Europe—*e. g.*, of the Academies of Berlin, Vienna, Leipsic, St. Petersburg, Brussels, Paris, and Rome (Lincei).

The books relating to East Indian and Iranian subjects in the University Library comprise already a good collection of the most important text-editions and works of reference, and additions are constantly being made. Most of the best works dealing with Semitic philology will be found in the Library; care has been taken, especially in Assyriology, to buy all the more important publications. In the Avery Architectural Library most of the monumental works relating to Eastern art and archæology will be found. Through the generosity of the trustees of Temple Emanuel, the Library now possesses the most complete collection of works in Rabbinical Hebrew to be found in this country. There is also a small collection of Hebrew, Arabic, and Persian MSS., designed for the use of advanced students. The resources of the University Library are supplemented in the most valuable way by the collections of all branches of Orientalia in the New York Public Library. A collection of old Babylonian tablets has been added to the department. These, together with the casts of tablets in the Metropolitan Museum of Art, furnish material for those who wish to devote themselves especially to the study of Babylonian and Assyrian.

The library of the Union Theological Seminary, which is accessible to advanced students at Columbia University, contains all the current theological periodicals.

INDO-IRANIAN LANGUAGES

A. V. Williams Jackson, Ph.D., L.H.D., LL.D.....*Professor*
Abraham Yohannan, Ph.D.....*Lecturer*

Courses

See preliminary paragraphs, page 38

101–102 –Sanskrit, elementary course. 3 hours. Professor Jackson

[103–104—Avestan, elementary course—Grammar and reading of texts. 2 hours. Professor JACKSON]

105–106—Sanskrit, advanced course. The *Nagananda* of Harsha; selections from Manu, with the native commentary. Introduction to the Veda. 2 hours. Professor JACKSON

107–108—Modern Persian, introductory course. Grammar and reading. Sa'di's *Gulistan*. 2 hours. Dr. YOHANNAN

109—History of India and of Persia. 2 hours. Professor JACKSON Identical with History 103

201–202—Avestan, advanced course—Interpretation of texts, antiquities, and literature. 2 hours. Professor JACKSON

203–204—Pali, elementary course. 1 hour. Professor JACKSON

[205—Old Persian cuneiform inscriptions. 1 hour. Professor JACKSON]

[206—Pahlavi, introductory course. 1 hour. Professor JACKSON]

207–208—Sanskrit literature. 1 hour. Professor JACKSON

209—Zoroastrian Gathas—Reading of texts with the Pahlavi and the Sanskrit version. 1 hour. Professor JACKSON

210—Zoroaster and Buddha and their teachings. 1 hour. Professor JACKSON

211–212—Modern Persian, second-year course. Selections from Firdausi, Omar Khayyam, and Hafiz. 2 hours. Dr. YOHANNAN

Course in Armenian

213–214—Principles of the grammar, with selected readings. 2 hours. Dr. YOHANNAN

Seminar

307–308—Indo-Iranian Seminar. 1 hour. Professor JACKSON

Public Lectures

A course of afternoon lectures on the literature, antiquities, and history of ancient India and Persia, open to all students of the University and to auditors, is given during the winter months. Public announcement of the subjects will be made at the time when these lectures are to be delivered.

Courses in the Science of Language

111–112—Introduction to the science of language. 2 hours. Professor JACKSON

114—Types of Language—2 hours. Professor JACKSON

Pathology

T. Mitchell Prudden, M.D., LL.D.....*Professor of Pathology*
Eugene Hodenpyl, M.D.....*Adjunct Professor of Pathological Anatomy*
John H. Larkin, M.D..*Adjunct Professor of Pathology and Curator of the Museum*
Norman E. Ditman, M.D.....*Instructor in Pathology*
George A. Tuttle, M.D.....*Demonstrator in Pathological Anatomy*
Horst Oertel, M.D.....*Demonstrator in Pathological Anatomy*
Edward Leaming, M.D.....*Instructor in Photomicrography*
Karl M. Vogel, M.D.....*Assistant in Pathology*

Close association is maintained between this department and the departments of Clinical Pathology and Bacteriology, so as to facilitate instruction and research in these closely allied subjects.

Courses

51—Autopsy technique and pathological anatomy at the Roosevelt, Presbyterian, St. Luke's, St. Francis', City, or Bellevue Hospitals, twice a week for half the year. Drs. Hodenpyl, Tuttle, Wood, and Oertel

52—Practical instruction in general and special pathology, and in the bacteriology of the infectious diseases. 10 hours for one half of the academic year. Professors Prudden, Hodenpyl, Larkin, and Bailey, and Drs. Ditman and Vogel

53—Demonstrations in pathological anatomy. 2 hours. Professors Hodenpyl and Larkin, and Drs. Ditman and Vogel

204—Pathological anatomy and histology, and experimental pathology. Professors Prudden and Hodenpyl

This course can not be counted for a degree, and is open only to qualified graduate students by special arrangement with the head of the department.

Photography and Photomicrography

1–2—Practical instruction is given to a limited number of men in the photographic laboratories of the college in the technique of photography and photomicrography. Dr. Leaming

Research

Research in pathology may be pursued in the laboratories of this department by a limited number of graduate students or practitioners of medicine or other advanced workers. Professor Prudden

Museum

The Museum of Pathology is made use of in the work of this department, both for the instruction of medical students and as a place of deposit for specimens showing new and rare forms of lesions.

Equipment

The Department of Pathology shares with the departments of Clinical Pathology and Bacteriology the two upper floors of the north wing of the college building. The large classroom on the upper floor of the east wing is used for the classes in pathology, histology, and embryology. The fourth floor is devoted to the pathological museum and to a large preparation laboratory, a workshop, cold storage and the like. The remaining space is devoted to a general laboratory and to private rooms for instructors and advanced workers in pathology, to undergraduate and to research work in pathology, clinical pathology, and bacteriology, and to a departmental library.

The entire space is amply lighted, fully furnished, and equipped with such new apparatus as these rapidly growing phases of science require.

Pediatrics

(See Diseases of Children, page 67)

Pharmacy

The New York College of Pharmacy is the Division of Pharmacy of Columbia University. In the section of the catalogue devoted to the College of Pharmacy (see p. 368) will be found a list of its officers and information as to the equipment and method of instruction. The Program of Studies includes the following courses:

Junior Year

Physics—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

General and Pharmaceutical Chemistry—Lectures and laboratory work, Professor COBLENTZ; recitations, Professor OEHLER.

Analytical Chemistry—Professor VORISEK

Mathematics of Pharmacy—Practical exercises, Professor VORISEK

Practical Pharmacy—Laboratory course, Professor DIEKMAN; recitations, Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Botany—Lectures, Professor RUSBY; recitations, Dr. MANSFIELD

Pharmacognosy—General laboratory course, Professor RUSBY; Histological laboratory course, Professor JELLIFFE

Physiology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. MANSFIELD

Senior Year

Organic chemistry—Lectures, Professor CHANDLER; recitations, Professor OEHLER

Pharmaceutical Chemistry (inorganic and organic)—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

Analytical Chemistry—Professor VORISEK

Practical Pharmacy—Lectures and recitations, Professor DIEKMAN; laboratory course, Professor DIEKMAN and Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Materia Medica—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. MANSFIELD

Toxicology—Lectures, Professor RUSBY; recitations, Dr. MANSFIELD

Commercial Pharmacognosy—Laboratory, Professor RUSBY; recitations, Dr. MANSFIELD

Microscopical Pharmacognosy—Laboratory course, Professor JELLIFFE

Graduate Courses

Plant Analysis—Laboratory, Professor RUSBY

Technical Microscopy and Bacteriology—Laboratory, Professor JELLIFFE

Quantitative Analysis—Laboratory, Professor VORISEK

Organic Analysis—Laboratory, Professor COBLENTZ

Theory and Practice of Inorganic Quantitative Analysis—Lectures, Professor VORISEK

Commercial Organic Analysis and Toxicology—Lectures, Professor COBLENTZ

Physiological Chemistry—Lectures, Professor DIEKMAN

Pharmacology, Materia Medica, and Therapeutics

CHRISTIAN A. HERTER, M.D. ..... *Professor of Pharmacology and Therapeutics*

SAMUEL W. LAMBERT, A.M., M.D. .... *Professor of Applied Therapeutics*

SMITH ELY JELLIFFE, M.D., Ph.D. ..... *Instructor in Pharmacology and Therapeutics*

ALFRED N. RICHARDS, Ph.D. ..... *Instructor in Pharmacology*

WALTER A. BASTEDO, M.D. ..... *Instructor in Materia Medica and Pharmacology*

HENRY S. PATTERSON, M.D. ..... *Instructor in Materia Medica and Therapeutics*

WILLIAM R. WILLIAMS, M.D. ..... *Instructor in Materia Medica and Therapeutics*

WALTER A. BASTEDO, M.D. ..... *Assistant in Applied Therapeutics*

NELLIS B. FOSTER, M.D. ..... *Assistant in Applied Therapeutics*

H. V. W. SCHULTE, M.D. ..... *Assistant in Applied Therapeutics*

JAMES M. KENT, M.D. ..... *Assistant in Applied Therapeutics*
WILLIAM R. MAY, M.D ..... *Assistant in Applied Therapeutics*

Clinical Assistants in Applied Therapeutics

F. G. GOODRIDGE, M.D.
HARRY M. KEATOR, M.D.
HANS ZINSSER, M.D.
SIGMUND EPSTEIN, M.D.
CHARLES E. WEBSTER, M.D.
JAMES C. GREENWAY, M.D.
HENRY C. BECKER, M.D.
MEYER SCHULMAN, M.D.
MAX NISSELSON, M.D.
DAVID KALISKI, M.D.
KARL M. VOGEL, M.D.

Courses

See preliminary paragraphs, page 38

51—The principles of pharmacology, toxicology, and therapeutics. 2 hours. Professor HERTER

52—Applied therapeutics. 2 hours. Professor LAMBERT

53–54—Clinical instruction in therapeutics. 4-hour exercises at the Vanderbilt Clinic, five times a week for four weeks, to sections. Professor LAMBERT and Dr. PATTERSON

55–56—Recitations on the work given in lectures of courses 51 and 52 and on general therapeutics. 2 hours, to sections. Dr. WILLIAMS

57—The principles of materia medica. 1 hour. Dr. JELLIFFE

59–60—Pharmacology. 1 hour. Dr. BASTEDO

61–62—Practical instruction in the pharmaceutical laboratory 1½ hours. Dr. BASTEDO

63–64—Recitations in materia medica and pharmacology. 2 hours. Drs. BASTEDO and RICHARDS

65—Laboratory course in pharmacology. Optional course. 2-hour exercises twice a week for one quarter of the year. Dr. RICHARDS

67–68—Prescription work in the pharmaceutical laboratory, for advanced students. Optional course. Dr. BASTEDO

Research

The research laboratory of pharmacology is open to a limited number of workers.

Philosophy and Psychology

JAMES MCKEEN CATTELL, Ph.D. ..... *Professor*
MOSES ALLEN STARR, M.D., LL.D., Sc.D ..... *Professor*
HERBERT GARDINER LORD, A.M. ..... *Professor*
EDWARD LEE THORNDIKE, Ph.D. ..... *Professor*
FREDERICK J. E. WOODBRIDGE, A.M., LL.D .... *Johnsonian Professor*
FELIX ADLER, Ph.D. ..... *Professor*
CHARLES AUGUSTUS STRONG, A.B. ..... *Professor*

JOHN ANGUS MACVANNEL, Ph.D.....*Professor*
GEORGE STUART FULLERTON, Ph.D., LL.D.....*Professor*
JOHN DEWEY, Ph.D., LL.D.....*Professor*
ROBERT SESSIONS WOODWORTH, Ph.D.....*Adjunct Professor*
WILLIAM PEPPERRELL MONTAGUE, Ph.D.....*Instructor*
NAOMI NORSWORTHY, Ph.D.....*Instructor*
KATE GORDON, Ph.D.....*Instructor*
WALTER BOUGHTON PITKIN, A.B.....*Tutor*
DICKINSON SERGEANT MILLER, Ph.D.....*Lecturer*
WENDELL T. BUSH, Ph.D.....*Lecturer*
VIVIAN A. C. HENMON, Ph.D.....*Lecturer*
GUY ALLEN TAWNEY, Ph.D.....*Lecturer*
MARY THEODORA WHITLEY, B.S.....*Assistant*
HAROLD CHAPMAN BROWN, Ph.D.....*Assistant*
WILLIAM CARL RUEDIGER, Ph.M.....*Assistant*
FREDERIC LYMAN WELLS, Ph.D.....*Assistant*
WARNER BROWN, A.B.....*Assistant*
MORRIS R. COHEN, Ph.D.....*Assistant*

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt. D. (Oxon.)..*President and Professor*

For the significance of course numbers see preliminary paragraphs, page 38

Courses in Philosophy

A1–A2—At Columbia College: The principles of science. 3 hours. Professors WOODBRIDGE and TAWNEY, Dr. MONTAGUE, Dr. MILLER, Mr. PITKIN, and Dr. BROWN. At Barnard College: Introductory logic and scientific method. 3 hours, first half-year. Mr. PITKIN. Introductory psychology. 3 hours, second half-year. Professor LORD and Mr. PITKIN

21–22—Ethics. At Columbia College, 3 hours. Professor DEWEY. At Barnard College, 3 hours. Professor LORD

101–102—Metaphysics. 2 hours. Dr. MILLER

[103–104—Types of logical theory. 2 hours. Mr. PITKIN]

[121–122—Psychological ethics. 2 hours. Professor DEWEY]

[123–124—Advanced ethics. Dr. MONTAGUE]

126—Ethics. 2 hours, second half-year. Professor ADLER

127–128—Ethical ideals of the nineteenth century. 3 hours. Dr MILLER

141 or 142—Principles and problems of esthetics. At Columbia College, 3 hours, second half-year. At Barnard College, 3 hours, first half-year. Mr. PITKIN

145–146—The philosophy of history. 2 hours. Dr. COHEN

161–162—The history of philosophy. At Columbia College, 3 hours. At Barnard College, 3 hours. Dr. MONTAGUE

[163–164—The philosophy of Descartes, Spinoza, and Leibniz. 2 hours. Dr. MILLER]

[165–166—British philosophy from Locke to Herbert Spencer. 2 hours. Dr. MONTAGUE]

167–168—The philosophy of Kant. 2 hours. Dr. MONTAGUE

170—The philosophy of Plato. 2 hours. Dr. BUSH

171–172—Modern philosophy. 2 hours. Professor TAWNEY

173–174—Post-Kantian idealism. 2 hours. Dr. COHEN

181–182—Practicum. Philosophy of education. 2 hours. Professor MACVANNEL

203–204—Logic and metaphysics. 2 hours. Professor WOODBRIDGE

[205–206—The philosophy of realism. 2 hours. Dr. MONTAGUE]

207–208—Advanced logic. 2 hours. Professor DEWEY

209–210—Types of epistemological theory. 2 hours. Professor TAWNEY

211–212—Research work in philosophy. Professor DEWEY

213–214—Research work in philosophy. Professor WOODBRIDGE

[221–222—Logic of ethics. Professor DEWEY]

265–266—Research work in the history of philosophy. 2 hours. Professor WOODBRIDGE

[301–302—Seminar in ethics. Dr. MONTAGUE]

303–304—Seminar in ethics. Professor ADLER

305–306—Seminar. Professor MACVANNEL

Philosophy of Religion (at the Union Theological Seminary)

A—Philosophy of religion—the philosophical foundation. 2 hours, first half-year. Professor KNOX

B—Theism. 2 hours, second half-year. Professor KNOX

C—Survey of the ethnic faiths. 2 hours, first half-year. Professor KNOX

F—Introduction to the study of the philosophy of religion. 2 hours. Professor KNOX

Apologetics B and D may also be counted as courses in the philosophy of religion.

Philosophy of Religion (at the General Theological Seminary)

A—Psychology of religion. 2 hours, second half-year. Professor HAYES

B—Christian theism. 4 hours, first half-year. Professor HAYES

C—Studies in the philosophy of religion. 2 hours, first half-year. Professor HAYES

G—Studies in the ethnic religions. 2 hours, second half-year. Professor HAYES

Ethics (at the Union Theological Seminary)

A and B—Christian ethics. 2 hours. Professor THOMAS C. HALL

C—Special introduction to ethics. 2 hours, first half-year. Professor THOMAS C. HALL

E—History of ethical thought. 2 hours. Professor THOMAS C. HALL

G—Christian casuistry. 1 hour. Professor THOMAS C. HALL

H—Study of modern ethics. 2 hours. Professor THOMAS C. HALL

J—The field of ethical inquiry. 2 hours, first half-year. Professor THOMAS C. HALL

Ethics (at the General Theological Seminary)

A—Ethical development in the Old Testament with a comparative view of ethnic codes. 2 hours, second half-year. Mr. HUNT

B—The ethics of the New Testament. 2 hours, first half-year. Mr HUNT

C—Christian ethics in relation to modern social problems. 2 hours second half-year. Mr. HUNT

Courses in Psychology

1–2—Elements of general psychology. 3 hours. Professor LORD

3–4—Experimental psychology, introductory course. Lectures, 3 hours. Laboratory work, 4 hours. Professor WOODWORTH assisted by Dr. WELLS

7–8—Experimental psychology, introductory course. Lectures, 2 hours. Laboratory work, 4 hours. At Barnard College. Dr. HENMON

21–22—Child study. 2 hours. Dr. NORSWORTHY

111–112—Experimental psychology, advanced course. 2 hours. Professor CATTELL

113–114—Experimental psychology. Laboratory work in connection with Psychology 111–112. 2 to 8 hours. Professor CATTELL and Mr. RUEDIGER

121–122—Genetic psychology, advanced course. 2 hours. Professor THORNDIKE

[131–132—Physiological psychology. 3 hours. Professor WOODWORTH]

133–134—Laboratory course in physiological psychology. 2 to 8 hours. Professor WOODWORTH and Dr. WELLS

135–136—Pathological psychology. 3 hours. Professor WOODWORTH

137–138—Laboratory and observational work in pathological psychology. 2 to 8 hours. Professor WOODWORTH and Dr. WELLS

161–162—Analytic psychology. 2 hours. Professor WOODWORTH

[163–164—Philosophy of mind. 2 hours. Professor STRONG]

171–172—Social psychology. 2 hours. Professor DEWEY

221–222—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

[231–232—Special psychology. 2 hours. Professor WOODWORTH]

233–234—Research in physiological and pathological psychology. Professor WOODWORTH assisted by Dr. WELLS

[241–242—Mental intensity and time. 2 hours. Dr. HENMON]

251–252—Diseases of the mind and nervous system. 1 hour, four months. Not open to women. Professor STARR

261–262—Research work in analytic psychology and the philosophy of mind. Professor WOODWORTH

281–282—Problems in experimental psychology. 2 hours. Professor CATTELL

283–284—Research work in experimental psychology. Professor CATTELL assisted by Mr. RUEDIGER and Dr. WELLS

321–322—Seminar. Professor THORNDIKE

401–402—Colloquium in psychology. Professors CATTELL, THORNDIKE, and WOODWORTH

Equipment

LIBRARY FACILITIES—The library facilities of Columbia University and of the city of New York, for students of philosophy and psychology, are unusually good. The collection of books on the history of philosophy in the University Library is very large, that on Kant and his philosophy being especially complete. About 1000 periodicals are regularly received, and among them will be found every journal of importance, American or foreign, dealing with philosophy or psychology. Duplicates of the more important psychological books and journals are placed in the Psychological Laboratory, where there is also a card index of psychological literature containing over 15,000 titles. Students of psychology will also find much of value in the Library of the Academy of Medicine, 15 West 43d Street, which is open to students free of charge. The Astor and Lenox Libraries are also available for students, when introduced by one of the instructors, on especially favorable terms.

The Psychological Laboratory—The laboratory is in Schermerhorn Hall, a building "devoted to the advancement of natural science." It occupies the eastern half of the second floor and part of the floor immediately above, the rooms being as follows: A lecture-room, seating one hundred students, used also as a general laboratory; a seminar room with a department library, a workshop, a photographic and chemical room, an apparatus cabinet, an anthropometric laboratory, five rooms used as offices and laboratories by the officers of the department, and eight research laboratories. Two of these are dark-rooms, specially constructed to exclude sound as well as light, 18 feet high and well ventilated. The laboratory has light from the north and south, is supplied with electric current of both high and low potential, and is in all respects equipped both for instruction and research. The collection of apparatus includes: (1) Outfit for making and repairing apparatus, electric motors, etc. A skilled instrument-maker is continually employed, adding greatly to the efficiency of the laboratory. (2) The outfit of an anthropometric laboratory with which freshmen in the college and others are annually tested. (3) The apparatus, preparations, charts, etc., needed for complete courses in experimental, physiological, and genetic psychology; and (4) the apparatus that has been used or is being used in special researches, a large part of which has been made especially for the laboratory. The outfit for the courses of instruction is now in large measure secured, and the annual appropriations can be used chiefly for apparatus needed in special researches.

Photography and Photomicrography

(See page 123)

Physical Education

Thomas Denison Wood, M.D.....*Professor*
George Louis Meylan, A.M., M.D...*Adjunct Professor and Medical Director of the University Gymnasium*
William Skarstrom, M.D.....*Instructor*
A. Ira Prettyman.....*Assistant*
Dudley Billings Reed, A.B.....*Assistant*
John Slack Keith, A.B.....*Assistant*
Arthur Shoemaker, M.D.....*Assistant*
Wesley Heman Beach, A.B.....*Assistant*
Thomas W. Burckhalter.....*Assistant*
Charles S. Botsford.....*Assistant*
George Thomas Holm.....*Teacher of Swimming*
F. W. Shaw, Ph.B.....*Secretary*

Equipment

The main exercising room is semicircular in shape, and has an area

of 16,000 square feet. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The running track is 11 feet wide, with ends raised, and measures 10 laps to the mile. On the same floor as the running track are the Gymnasium and Director's offices, rooms for fencing, boxing, and handball, two large dressing-rooms with 1804 steel lockers, and 32 shower-baths. Below the exercising room is the swimming pool, semicircular in shape; it measures 100 by 50 feet on its axes, and contains 200,000 gallons of water. The depth is from 4 to 10 feet. Around the pool are the dressing-rooms, and 20 shower-, needle-, and tub-baths. On this floor is also a large room and two dressing-rooms equipped with shower-baths and lavatories, for the use of the various athletic teams.

The Frederick Ferris Thompson Memorial Building, given to Teachers College by Mrs. F. F. Thompson, has been recently completed. It is a building of four stories devoted to the purposes of Physical Education and School Hygiene. It contains offices, examination rooms, lecture- and class-rooms, laboratories, hand-ball courts, bowling alleys, a swimming pool, four gymnasiums, rooms for corrective exercises, dressing-rooms, shower-baths, fencing-room, and a suite of rooms for photographic purposes. This building provides physical-training facilities for the women, the pupils of the Horace Mann School, and the varied equipment for the theoretical and practical instruction of professional students in Physical Education.

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 8.30 A.M. to 6.30 P.M., Saturdays to 5 P.M. It is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 2 to 6 P.M. One or more of the instructors are on the floor at all times when the Gymnasium is open.

A course in physical education is required of all Freshmen and Sophomores in Columbia College, and first- and second-year students in the Schools of Applied Science, except students holding degrees from other colleges. A physical examination is required of each student in these classes upon entrance and at the end of the second year, and of all other students taking part in athletics.

Every student is entitled to a physical examination by the Medical Director. On the basis of this examination advice is given as to the kind and amount of exercise best adapted to his needs.

Courses

See preliminary paragraphs, page 38

For Men

Hygiene 1–2. Lectures, quizzes, and a report on some phase of personal hygiene or sanitation. 2 hours. Professor MEYLAN

Physical education **A1–A2.** 2 hours a week of elementary graded gymnastic exercises, swimming and 6 lectures on personal hygiene. In sections. 2 hours. Dr. SKARSTROM and assistants

Physical education **B1–B2.** 2 hours a week of graded gymnastic exercises, athletics and 6 lectures on personal hygiene. In sections. 2 hours. Professor MEYLAN, Mr. PRETTYMAN, and assistants

For Women

A1–A2–Elementary graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss BROWN

B1–B2—Graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss BROWN

There are also fourteen courses given under the auspices of Teachers College: Physical Education 1–2, 3–4, 5, 6, 9–10, 106, 107–108, 109–110, 113, 115–116, 119–120, Education 87–88, 189–190, and 289–290.

Physics

WILLIAM HALLOCK, Ph.D. ..... *Professor*
MICHAEL I. PUPIN, Ph.D., Sc.D. ..... *Professor of Electro-Mechanics*
MARGARET E. MALTBY, Ph.D. ..... *Adjunct Professor* (*Barnard College*)
HERSCHEL C. PARKER, Ph.B. ..... *Adjunct Professor*
[1] ERNEST F. NICHOLS, Ph.D. ..... *Professor of Experimental Physics*
JOSEPH C. PFISTER, A.M. ..... *Adjunct Professor of Mechanics*
FRANK L. TUFTS, Ph.D. ..... *Adjunct Professor*
ALBERT P. WILLS, Ph.D. ..... *Adjunct Professor of Mechanics*
CHARLES C. TROWBRIDGE, M.S. ..... *Instructor*
GEORGE B. PEGRAM, Ph.D. ..... *Instructor*
BERGEN DAVIS, Ph.D. ..... *Tutor*
WILLIAM S. DAY, Ph.D. ..... *Tutor*
SAMUEL R. WILLIAMS, Ph.D. ..... *Lecturer* (*Barnard College*)
CHARLES FORBES, B.S., M.D. ..... *Curator*
MICCO M. A. FONTRIER, A.B. ..... *Assistant in Mechanics*
L. E. WOODMAN, A.M. ..... *Assistant*
JULIEN BLANCHARD, A.B. ..... *Assistant*
H. W. FARWELL, A.B. ..... *Assistant*
L. B. MORSE, A.B. ..... *Assistant*
GRACE LANGFORD, A.M. ..... *Assistant* (*Barnard College*)
CHAUNCEY C. CHAPIN, B.S. ..... *Assistant*

Courses equivalent to 3–4, 101–102, 103–104 are given at Barnard College by Professor MALTBY

Courses

See preliminary paragraphs, page 38

1 or 2 (Science **A**)—General elementary physics. 3 hours for either half-year. Mr. TROWBRIDGE

[1] Ernest Kempton Adams Fellow For 1906–07.

Science A requires 3 hours laboratory work with this course

3–4—General physics—Properties of matter, electricity and magnetism, sound, light and heat. 2 hours lectures, 1 hour recitation. Professor TUFTS, Drs. DAY, PEGRAM, DAVIS, and Mr. WOODMAN

5—Intermediate experimental electricity and magnetism. 2 hours. Professor TUFTS

A laboratory course must be taken with this and the three following courses

6—Intermediate experimental sound. 2 hours. Dr. DAVIS

[7—Intermediate experimental light. 2 hours. Professor HALLOCK]

[8—Intermediate experimental heat. 2 hours. Dr. DAY]

101–102—Magnetism and electricity. 3 hours. Professor TUFTS. Sound. 2 hours. Dr. PEGRAM

103–104—Light. 3 hours. Professor HALLOCK. Heat. 3 hours. Dr. DAY

105—Critical discussion of methods of measurement and computation according to the C. G. S. System in electricity and magnetism. Professor PARKER

107–108—Fundamental phenomena of theoretical physics. 1 hour. Professor TUFTS

171–172—Courses in advanced laboratory work upon the various subjects of physics, including collateral reading, intended to lead the way to original research.

An examination is required on general theory in connection with this course.

201—Discharge of electricity through gases. 2 hours. Dr. DAVIS

202—Theory of dimensions with special reference to electrical and magnetic units; presupposes Courses 101 to 104. 2 hours. Professor TUFTS

203—Sound, advanced course, presupposes 102. 2 hours. Dr. PEGRAM

204—Light, advanced course, presupposes 103. 3 hours. Professor HALLOCK

205—Heat, advanced course, presupposes 104. 3 hours. Dr. DAY

206—Phenomena of radioactivity, presupposes 201. 2 hours. Dr. PEGRAM

209—The design and construction of apparatus. 1 hour. Professor HALLOCK

211–212—Problems of radiation including emission, absorption dispersion, etc. 2 hours. Professor NICHOLS

271–272—Original research under the direction of the professors is open to properly qualified persons

Laboratory Courses

NUMBER	TIME	CHARACTER
31–32	3 hours	Elementary
23–24	2 hours	Intermediate
43–44	4 hours	Intermediate
63–64	6 hours	Intermediate
25–26	2 hours	Advanced
45–46	4 hours	Advanced
65–66	6 hours	Advanced

JOURNAL CLUB—The Journal Club of the department meets every week for the discussion of the current literature of physics and of reports of special investigations. Professor NICHOLS in charge.

Mathematical Physics

1–2—Elementary mechanics. 2 hours. Professor PFISTER

3–4—Elementary thermodynamics and hydromechanics. 2 hours. Professor PFISTER

5–6—Analytical mechanics, abridged course. 2 hours. Professor PFISTER

7—Thermodynamics, abridged course. 2 hours. Professor WILLS and Dr. PEGRAM

9—Elementary mechanics. 3 hours. Professor PFISTER

101–102—Analytical mechanics. 3 hours. Professors PFISTER and WILLS and Dr. PEGRAM

103–104—Theoretical mechanics. 2 hours. Professor PFISTER

106—Thermodynamics, with special reference to its bearing on the theory of heat engines. 3 hours. Professor WILLS and Dr. PEGRAM

107—Theory of dynamo and motor (introductory). 2 hours. Professor WILLS

108—Theory of direct-current dynamo and motor. 3 hours. Professors PUPIN and WILLS

109—Theory of alternators and transformers. 3 hours. Professor PUPIN

110—Theory of variable currents. 3 hours. Professor PUPIN

To graduate students who desire a general acquaintance with Mathematical Physics, Professors PUPIN and WILLS offer the following cycle of courses which may be completed in two years by taking four hours a week.

In 1906–1907 the courses given in 1905–1906, as stated below, by Professor PUPIN will be given by Professor WILLS, and vice versa, this alternation taking place every year.

201—Mechanics. 2 hours. Professor WILLS

202—Theory of elasticity. 2 hours. Professor WILLS

203—Theory of the potential function. 2 hours. Professor PUPIN

204—Hydrokinetics. 2 hours. Professor PUPIN

205–206—Electricity and magnetism—Electro-magnetic theory of light. 2 hours. Professor WILLS

207–208—Partial differential equations of physics. 2 hours. Professor PUPIN

In addition to this cycle the following courses are given at intervals as required.

209—Lectures on special problems. 2 hours. Professor PUPIN

211—Thermodynamics. 2 hours. Professor WILLS

Equipment

The laboratories and lecture rooms of the Department of Physics occupy four floors of Fayerweather Hall on the eastern side of the University grounds. The building is supplied with all ordinary conveniences, including compressed air, steam, electricity for power and light, direct and alternating current. There is a vertical shaft 95 feet high, with gas, electric, and water outlets every ten feet. In the sub-basement a constant-temperature room is placed twelve feet below the surface of the ground. There are two lecture rooms, a library, an apparatus room, a shop, and a small laboratory on the first floor, while the remaining three floors devoted to the department are occupied by laboratories of different kinds.

The general laboratories are provided with all the usual apparatus for undergraduate work in mechanics, sound, heat, light, electricity, and magnetism.

The laboratories used for research have been named by the Trustees the "Phœnix Physical Laboratories," in memory of Mr. Stephen Whitney Phœnix, who bequeathed to the University a generous sum as an endowment for research in the physical sciences. On account of this endowment unusual facilities are offered for advanced work and research in physics. Among the principal additions to the equipment of these laboratories since 1903 may be mentioned the following: pulsometer and mercury air-pumps; a 60-cell large capacity storage battery with a complete switch-board and wiring system and a portable 500-cell small-capacity storage battery; two duBois-Rubens armored galvanometers; two 10-inch induction coils; Wolff precision potentiometers and Wheatstone bridges, standardized at the Reichsanstalt; a set of high potential, direct-current dynamos, giving 8000 volts; a large electromagnet for special researches; a Michelson interferometer; a 21-foot concave grating spectroscope; a reflecting spectrometer and two torsion radiometers for work in radiation.

Arrangements have been made by which it is possible to carry on certain investigations at the Botanical Garden, in Bronx Park, free from the magnetic and other disturbances of the city.

The department has a shop equipped with wood, metal, and glass-working machinery, and employs a skilled mechanician.

The Physical Laboratories at Barnard College occupy the second floor of Fiske Hall. They are supplied with the usual conveniences and well equipped with suitable apparatus for quantitative experimental work in all the courses offered. Through the generosity of Mrs. Collord, the department has recently acquired a very complete equipment in sound apparatus suitable for illustrating the theory of the production of tone in musical instruments, and for analyzing musical sounds.

The laboratories and lecture room of Teachers College are well equipped for illustrating the teaching of physics in secondary and normal schools. In these the physics classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 191–192 are enabled to become familiar with the duties of a teacher of physics.

Physiological Chemistry

(Biological Chemistry)

WILLIAM J. GIES, M.S., Ph.D.....*Professor*
NELLIS B. FOSTER, M.D.....*Instructor*
GUSTAVE M. MEYER, Sc.D.....*Tutor*
WILLIAM N. BERG, B.S.....*Assistant*
WILLIAM H. WELKER, A.C.....*Assistant*
WILLIAM SALANT, M.D.....*Assistant*

None of the courses at the College of Physicians and Surgeons is open to women.

See preliminary paragraphs, page 38

Course in General Chemistry

51—General chemistry. Lectures, 2 hours. Recitations, 2 hours. each section, (2) Laboratory exercises (2) and demonstrations, 6 hours, each section (2). Professor GIES, Drs. MEYER and SALANT, and Messrs. BERG and WELKER

Courses in Physiological Chemistry

102—General physiological chemistry. Lecture, 1 hour and by sections. Recitation, 1 hour. Laboratory and demonstrations, 6 hours, Professor GIES, Drs. FOSTER, MEYER, and SALANT, and Messrs. BERG and WELKER

103—Elementary physiological chemistry. For the university sections of the senior class in pharmacy. Professor GIES and Dr. SALANT

201–202—Laboratory course in quantitative physiological chemistry with special reference to clinical methods. 6 hours. Professor GIES, Dr. SALANT, and Messrs. BERG and WELKER

203–204—Laboratory course in advanced physiological and pathological chemistry. Research. 12 hours. Professor GIES and Dr. SALANT

Course in Toxicological Chemistry

205–206—Laboratory course in toxicological chemistry. 6 hours. Professor GIES and Mr. WELKER

Course in Botanical Chemistry

207–208—Laboratory course in the chemical physiology of plants. 6½ hours. Professor GIES. [The course may be taken in whole or in part at the New York Botanical Garden, where Professor GIES is consulting chemist.]

Course in Co-operation with the Department of Physiology

In addition to the courses referred to above, this department co-operates with Professor BURTON-OPITZ in giving Course 101-102 in Physiology.

Biochemical Seminar

301–302—The members of the teaching staff and all other investigators in the department meet weekly to study and discuss recent researches in chemical biology. The Seminar is open to all students in the University. 2 hours. Professor GIES in charge.

Research

The laboratory is open to advanced workers for research. Professor GIES consults regularly with investigators in the department of Zöology on Monday afternoons and at the N. Y. Botanical Garden on Friday afternoons.

Library

The private library owned by Professor Gies is housed in the laboratory at the medical school and is available at all times to all students in the University.

Equipment

The headquarters of the Department of Physiological Chemistry are situated at the College of Physicians and Surgeons, where six rooms are well equipped for experimental work in biological chemistry. Two of these rooms are relatively large and will each accommodate about seventy workers at a time. Four smaller rooms are specially fitted up for original investigations by advanced students.

A small laboratory in Schermerhorn Hall has been equipped for

research in biological chemistry to be carried out in co-operation with the Department of Zoölogy. Similar provision has been made in Fayerweather Hall for biochemical research in collaboration with workers in the Department of Physics.

Special facilities have been provided at the New York Zoölogical Park for research there in biological chemistry under the direction of the head of this department.

The laboratories of the New York Botanical Garden are open to students of biological chemistry.

Physiology

JOHN GREEN CURTIS, M.D., LL.D. ..... *Professor*
FREDERIC SCHILLER LEE, Ph.D. ..... *Professor*
RUSSELL BURTON-OPITZ, S.M., Ph.D., M.D. ..... *Adjunct Professor*
HAVEN EMERSON, A.M., M.D. ..... *Demonstrator*
LEANDER HOWARD SHEARER, M.D. ..... *Demonstrator*
ARTHUR WALKER BINGHAM, M.D. ..... *Demonstrator*
HARRY MAYHAM KEATOR, M.D. ..... *Demonstrator*
JOSEPH GRANT YOCUM, M.D. ..... *Demonstrator*
RICHARD HOOP CUNNINGHAM, M.D. ..... *Instructor*

None of the courses in this department is open to women.

Courses

See preliminary paragraphs, page 38

101–102—Elementary physiology. Given with the co-operation of the Department of Physiological Chemistry. 1 hour lecture, and 2 hours laboratory work. Professors BURTON-OPITZ and GIES

103–104—General physiology. 1 hour. Professor LEE

105–106—Laboratory course in general physiology. 5 hours. Professor BURTON-OPITZ

107—Laboratory course in special physiology. 3 hours. Professor CURTIS or Professor BURTON-OPITZ

108–109—The physiology of man as related to that of other mammals and of lower vertebrates. Lectures and demonstrations, 4 hours. Recitations, 1 hour. Laboratory work, 3 hours. Professors CURTIS and BURTON-OPITZ, Drs. EMERSON, SHEARER, BINGHAM, KEATOR, and YOCUM

111–112—Electro-physiology. Hours and work to be arranged with the Instructor, Dr. CUNNINGHAM

Research

The laboratory is open for research, under the direction of its officers, to advanced workers.

Equipment

The Department of Physiology possesses:

I—At the College of Physicians and Surgeons: (1) A laboratory for research and the preparing of demonstrations; (2) A small laboratory for histological research with special reference to physiological problems. (3) Two rooms for optical or psychological work or for photography. (4) Two private laboratories for professors of the department. (5) Two laboratories for practical instruction. (6) A room for recitations and for lectures and demonstrations to limited classes. (7) Easy access to a large lecture-room specially fitted for experimental teaching. (8) The Swift Physiological Cabinet, for the accommodation of a specially endowed and very full collection of apparatus of precision, mainly for research.

II—In Schermerhorn Hall: The use of a laboratory equipped for the instruction of undergraduates.

The physiological journals are accessible to the students of the department; also the most important monographs and other books, both modern and ancient.

Political Economy and Finance

(See page 68)

Political Philosophy

(See page 91)

Practice of Medicine

Walter B. James, M.D., LL.D. ..*Bard Professor of the Practice of Medicine*
Francis P. Kinnicutt, M.D. ..... *Professor of Clinical Medicine*
John Seymour Thacher, M.D. ..... *Professor of Clinical Medicine*
Frank W. Jackson, M.D. ..... *Professor of Clinical Medicine*
George Roe Lockwood, M.D. ..... *Instructor in Medical Diagnosis*
William K. Draper, M.D. ..... *Instructor in Medical Diagnosis*
Van Horne Norrie, M.D. ..... *Instructor in Medical Diagnosis*
George Montague Swift, M.D. ..... *Instructor in Medicine*
Albert E. Sumner, M.D. ..... *Instructor in Physical Diagnosis*
Arthur M. Shrady, M.D. ..... *Instructor in Physical Diagnosis*
T. Stuart Hart, M.D. ..... *Instructor in Physical Diagnosis*
Lewis F. Frissell, M.D. ..... *Instructor in Physical Diagnosis*
James A. Miller, M.D. ..... *Instructor in Physical Diagnosis*
Nathaniel B. Potter, M.D ..... *Instructor in Medicine*
Fred P. Solley, M.D. ..... *Instructor in Medicine*
David Bovaird, Jr., M.D. ..... *Tutor in Medicine*

Evan M. Evans, M.D. ..... *Tutor in Medicine*
Edmund L. Dow, M.D. ....*Clinical Assistant and Tutor in Medicine*
Linsley R. Williams, M.D. .....*Chief of Clinic and Instructor in Medicine*
Isaac Ogden Woodruff, M.D. .....*Assistant in Medicine*
Rolfe Floyd, M.D. .....*Assistant in Medicine*
Austen F. Riggs, M.D. .....*Assistant in Medicine*
Leander H. Shearer, M.D. .....*Assistant in Medicine*
Charles S. Fischer, M.D. .....*Assistant in Medicine*
Philip Van Ingen, M.D. .....*Assistant in Medicine*
D. Stuart D. Jessup, M.D. .....*Assistant in Medicine*
Haven Emerson, M.D. .....*Assistant in Medicine*
Curtenius Gillette, M.D. .....*Assistant in Medicine*

Clinical Assistants

Isaac M. Wilzin, M.D.
Jay William Dounce, M.D.
Claud A. Frink, M.D.
Morris L. Ogan, M.D.
George E. Barnes, M.D.
Stanmore L. Cash, M.D.

Courses

See preliminary paragraphs, page 38

51–52—Practical instruction, Vanderbilt Clinic and Bellevue Hospital dispensary. In sections, 8 hours a week for one month. Assistants in Medicine

53–54—Clinical lectures on general medicine. Vanderbilt clinic 1 hour. Roosevelt Hospital, 1 hour. Professors James and Jackson

55–56—Bedside instruction. In the wards of Roosevelt or Presbyterian hospitals in sections. 6 hours for four weeks. Professor James

57–58—Physical diagnosis. Practical instruction in the Vanderbilt Clinic, Roosevelt and Bellevue Hospitals. 24 lessons for each student. Drs. Shrady, Miller, Hart, and Frissell

59–60—Hospital general diagnosis. 20 lessons, 4 hours each, for each student, Bellevue Hospital. Professor Jackson, and Drs. Lockwood, Draper, Norrie

61–62—Clinical instruction to sections, St Mary's Free Hospital for Children. Twice a week for 8 weeks. Dr. Swift

63–64—Recitations in general medicine. In sections, 2 hours. Drs. Bovaird and Evans

65–66—Recitations in general medicine. In sections. 1 hour. Dr. Dow

67—Lectures and demonstrations on physical diagnosis. 1 hour. Dr. Sumner

69–70—Hospital clinics in general medicine. Optional
Presbyterian Hospital. Professors KINNICUTT and THACHER
St. Mary's Free Hospital. Dr. SWIFT

Psychology

(See page 128)

Public Law and Jurisprudence

(See page 99)

Rhetoric and English Composition

(See page 79)

Romance Languages and Literatures

ADOLPHE COHN, LL.B., A.M.....*Professor*
HENRY ALFRED TODD, Ph.D.....*Professor of Romance Philology*
CARLO LEONARDO SPERANZA, LL.B., A.M.....*Professor of Italian*
[1] BENJAMIN DURYEA WOODWARD, Ph.D.....*Professor*
LOUIS AUGUSTE LOISEAUX, S.B.....*Adjunct Professor*
CURTIS HIDDEN PAGE, Ph.D.....*Adjunct Professor*
DANIEL JORDAN, S.B., Pd.B.....*Instructor*
HENRY BARGY, A.M.....*Instructor*
JOHN DRISCOLL FITZ-GERALD, Ph.D.....*Tutor*
HENRI FRANÇOIS MULLER, B. ès L.....*Tutor*
JOHN G. GILL, Ph.D.....*Tutor*
JOHN LAWRENCE GERIG, Ph.D.....*Lecturer*
DINO BIGONGIARI, A.B.....*Lecturer*

Courses **203**, **205**, and **206**, are given by Professor BRANDER MATTHEWS of the Department of English.

See preliminary paragraphs, page 38

For courses under 100 there is a special numbering under French, Italian, and Spanish respectively. Courses above 100 are all numbered under the general heading Romance Languages and Literatures.

Courses in French

A1–A2—Elementary course. 3 hours. Columbia College, Mr. JORDAN and Dr. GILL. Barnard College, Mr. MULLER and Dr. GERIG

B1–B2—Grammar, reading, and composition. 3 hours. Columbia College, Mr. JORDAN, Dr. FITZ-GERALD, and Dr. GILL. Barnard College, Mr. MULLER and Dr. GERIG

[1] Absent on leave, 1906-1907.

1–2—Introduction to the study of French literature, eighteenth and nineteenth centuries. 3 or 4 hours. Columbia College, Professor PAGE and Mr. JORDAN. Barnard College, Mr. MULLER

3–4—Historical French. Practice in reading, writing, and speaking French. 3 hours. Columbia College, Mr. MULLER. Barnard College, Mr. JORDAN

5–6—History of French literature in the seventeenth century. 3 hours. Columbia College, Professor COHN. Barnard College, Professor PAGE

7–8—History of the French language with special application to modern sounds and forms. 2 hours. Professor TODD

21–22—Advanced Grammar and composition. 3 hours. Professor COHN, Teachers College

[101–102—History of French literature in the eighteenth century, especially Voltaire. 3 hours. Professor COHN]

103–104—History of French literature in the eighteenth century especially Montesquieu, Rousseau, and the Encyclopedists. 3 hours. Mr. BARGY

105–106—History of French literature in the eighteenth century. 3 hours. Barnard College, Mr. BARGY

107–108—History of the French literary movement in the first half of the nineteenth century. 2 hours. Columbia College, Professor PAGE; Barnard College, Mr. BARGY

[109–110—History of the French literary movement in the second half of the nineteenth century. 2 hours. Columbia College, Professor PAGE; Barnard College, Mr. BARGY]

[111–112—History of literary criticism in France. 2 hours. Mr. BARGY]

113–114—French literature of the sixteenth century. 2 hours. Professor LOISEAUX

115–116—Old French. 2 hours. Professor TODD

203—The French dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS

[205–206—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS]

207–208—Special topics in seventeenth century French literature. 2 hours. Professor COHN

[209–210—Special topics in eighteenth century French literature. 2 hours. Professor COHN]

211–212—Special topics in sixteenth century French literature. 2 hours. Professor PAGE

213–214—French literature in its relation to public life and social science. 2 hours. Mr. BARGY

[Education 165–166.—Methods of teaching French in secondary schools. 2 hours. Teachers College, Professor COHN]

301–302—Seminar—Special topics in Romance literature. Subject for 1906–7. The poetical works of Voltaire. 2 hours. Professor COHN

11–12—French conversation—Elementary course. 1 hour. Mr. MULLER

13–14—French conversation — Advanced course. 1 hour. Mr. BARGY

Courses in Italian

*1–2—Elementary course—Grammar, reading, and composition. 3 hours. Mr. BIGONGIARI

*3–4—General introduction to the study of Italian literature. Composition. 3 hours. Professor SPERANZA

[131–132—Italian literature of the fourteenth and fifteenth centuries exclusive of the *Divina Commedia*. Composition. 3 hours. Professor SPERANZA]

133–134—Italian literature of the sixteenth century and of the period of decadence down to the middle of the eighteenth century. Composition, 3 hours. Mr. BIGONGIARI

135–136—Critical study of Dante's *Divina Commedia*. First part. 2 hours. Professor SPERANZA

[137–138—Critical study of Dante's *Divina Commedia*. Second part. 2 hours. Professor SPERANZA]

231–232—Italian literature of the second half of the eighteenth century and of the nineteenth century. 3 hours. Professor SPERANZA

Courses in Spanish

*1–2—Elementary course. 3 hours. Professor LOISEAUX

*3–4—General introduction to Spanish literature. Composition. 3 hours. Columbia College, Dr. FITZ-GERALD; Barnard College, Professor LOISEAUX

[141–142—The novela of the golden age. 3 hours. Dr. FITZ-GERALD]

143–144—The Spanish classical drama. 3 hours. Dr. FITZ-GERALD

241–242—History of Spanish literature. Lectures and private reading. 1 hour. Dr. FITZ-GERALD

* Starred courses are given in both Columbia College and Barnard College.

11–12—Spanish conversation. 1 hour. Professor LOISEAUX

Courses in Romance Philology

151–152—Introduction to Romance philology. 2 hours. Professor TODD

251–252—Critical study of the *Chanson de Roland*. 1 hour. Professor TODD

[253–254—Old French dialects. 1 hour. Professor TODD]

[255–256—Formative elements of Romance speech. 1 hour. Professor TODD]

257–258—The Oriental element in the Romance literatures of the Middle Ages. Dr. GILL

259–260—Old Provençal. 1 hour. Professor TODD

261–262—The origins of Spanish poetry. 1 hour. Dr. FITZ-GERALD

[263–264—The oldest monuments of the Spanish language. 1 hour. Dr. FITZ-GERALD]

265–266—The origins of the Spanish novela. 1 hour. Dr. FITZ-GERALD

[267–268—The origins of the Spanish drama. 1 hour. Dr. FITZ-GERALD]

275–276—Portuguese. 2 hours. Professor TODD

277–278—Rumanian. 2 hours. Professor COHN

303–304—Seminar—Contributions to a dictionary of old-French locutions. 2 hours. Professor TODD

Public Lectures

Weekly lectures in French, and occasional lectures in Italian and Spanish, open to all members of the University, are given by the members of the department and by invited lecturers.

The Romance Club

The Romance Club consists of all the instructors and advanced students in the department. At its meetings, which are partly of a social character, an account is given of the most important articles on the Romance languages and literatures in the recent French, English, German, Italian, and Spanish periodicals; new books are discussed, letters from absent instructors and former students in the department are read, etc.

Equipment

The Library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance

philosophy. Its list of periodicals of interest for students in the department is especially rich. The Library has also complete sets of the most important series and collections, such as the Altfranzösische Bibliothek, Romanische Bibliothek, publications of the Modern Language Association, publications of the Société des anciens Textes français, Histoire littéraire de la France, Ausgaben und Abhandlungen aus dem Gebiete der romanischen Philologie, Jahrbuch für romanische und englische Sprachen, etc.

French Societies

Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz. the *Société Française de l'Université Columbia*, which admits only men, and the *Société Française de Barnard Collège*, which admits only women. They give performances of French plays. The following plays have been presented in recent years: Scribe and Legouvé, *Bataille de Dames;* Jules Moinaux, *Les deux Sourds;* Meilhac and Halévy, *L'Eté de la Saint-Martin;* Tristan Bernard, *L'Anglais tel qu'on le parle;* Eugène Labiche, *Les Vivacités du Capitaine Tic;* Molière, *Le Médecin malgré lui, Les Fourberies de Scapin, etc.*

Social Economy

(See page 68)

Sociology and Statistis

(See page 68.)

Surgery

Joseph A. Blake, M.D.....*Professor*
George E. Brewer, M.D.....*Professor of Clinical Surgery*
Charles McBurney, M.D.....*Professor of Clinical Surgery*
Robert F. Weir, M.D.....*Professor of Clinical Surgery*
Frank Hartley, M.D...*Professor of Clinical Surgery and Instructor in Operative Surgery*
Francis H. Markoe, M.D.....*Professor of Clinical Surgery*
Andrew J. McCosh, M.D., LL.D.....*Clinical Lecturer*
Charles T. Poore, M.D.....*Clinical Lecturer*
Robert Abbe, M.D.....*Clinical Lecturer*
William B. Coley, M.D.....*Clinical Lecturer*
Lucius W. Hotchkiss, M.D.....*Clinical Lecturer and Instructor*
Bern B. Gallaudet, M.D.....*Clinical Lecturer and Instructor*
John B. Walker, M.D.....*Clinical Lecturer and Instructor*
Charles N. Dowd, M.D.....*Instructor*
Walton Martin, M.D.....*Instructor*
Edward M. Foote, M.D.....*Instructor*

ALFRED S. TAYLOR, M.D.....*Assistant Instructor in Operative Surgery*
A. EMIL SCHMITT, M.D.....*Assistant Instructor in Operative Surgery*
FORBES HAWKES, M.D.....*Instructor*
CLARENCE A. MCWILLIAMS, M.D.....*Instructor*
ADRIAN V. S. LAMBERT, M.D.....*Instructor*
CARLETON P. FLINT, M.D.....*Instructor*
EUGENE H. POOL, M.D.....*Instructor*
JAMES C. AYER, M.D.....*Instructor*
PERCY R. TURNURE, M.D.....*Chief of Clinic and Instructor*
WILLIAM C. CLARKE, M.D.....*Instructor*
J. W. DRAPER MAURY, M.D.....*Instructor*
WILLIAM DARRACH, M.D.....*Instructor*
ROWLAND COX, JR., M.D.....*Assistant Instructor in Operative Surgery*
JAMES H. KENYON, M.D.....*Assistant Instructor in Operative Surgery*
HENRY V. HOLCOMB, M.D.....*Assistant*
JAMES I. RUSSELL, M.D.....*Assistant*
FREDERICK T. VAN BEUREN, M.D.....*Assistant*
ALFRED C. PRENTICE, M.D.....*Assistant*

Clinical Assistants

WALTER H. HOLDRIDGE, M.D. W. D. HENNEN, M.D.
JOHN D. KERNAN, M.D.

WILLIAM T. BULL, M.D. *Emeritus Professor of Surgery*

Courses

See preliminary paragraphs, page 38

For Courses in Genito-Urinary Diseases see under Clinical Instruction, page 62.

51–52—Surgical pathology, general and regional surgery—Didactic lectures. 1 hour. Professor BLAKE

53–54—Clinics in general surgery at the Vanderbilt Clinic. 2 hours, Tues. and Th. at 12. Professors BLAKE and BREWER

55–56—Clinics at Roosevelt Hospital. Wed. 9 A.M.; Sat. 3.15 P.M. Professors BLAKE and BREWER

57–58—Minor surgery and bandaging—Practical instruction at the Vanderbilt Clinic, and the out-patient department, Roosevelt Hospital. 24 lessons for each student. Drs. TURNURE and DARRACH

59–60—Operative surgery upon the cadaver—Practical instruction to sections. Each student performs for himself upon the cadaver the principal operations, special attention being paid to operation upon the abdominal viscera. 10 to 12 lessons for each student. Professor HARTLEY, Drs. TAYLOR, SCHMITT, AYER, COX, and KENYON

61–62—Practical instruction in surgery to classes of 12 members

each in the wards of Bellevue Hospital, the Syms Operating Theatre, Roosevelt Hospital, the wards of the Presbyterian Hospital, and the wards of the City Hospital. Professor BREWER, Drs. GALLAUDET, HOTCHKISS, MARTIN, FLINT, HAWKES, MCWILLIAMS, and FOOTE

63–64—Practical instruction in the surgery of children at St. Mary's Free Hospital for Children, to classes of 12 members, once a week for two months for each student. Dr. DOWD

66—Practical instruction in the mechanical treatment of hernia at the Hospital for the Ruptured and Crippled, to sections. Dr. COLEY

69–70—Recitations in surgical pathology and general surgery, to sections. 2 hours. Dr. CLARKE

67–68—Recitations in general and regional surgery, to sections. 2 hours. Drs. POOL and LAMBERT

71–72—Practical instruction in surgical technique at the Laboratory for Surgical Research, to sections. Dr. MAURY

73–74—HOSPITAL CLINICS: (optional)

New York Hospital—S. at 11.15 A.M., from Oct. to Feb., Professor MARKOE; and 11.15 A.M., from Feb. to May, Professor HARTLEY

St. Luke's Hospital—Th. or F. at 2.30 P.M. Professor MARKOE and Dr. ABBE

Presbyterian Hospital—Tu. at 3.30 P.M. throughout the academic year. Dr. MCCOSH

Hospital for the Ruptured and Crippled—Tu. and F., 8.30–9.30 A.M. Professors GIBNEY and BULL and Dr. COLEY. Tu., Th., and S., 1–3 P.M. Dr. WHITMAN

St. Mary's Free Hospital for Children—Th., 10.30–11.30 A.M. Dr. POORE. F. at 2.30 P.M. Dr. DOWD

Zoölogy

EDMUND B. WILSON, Ph.D., LL.D.....*Professor*
HENRY F. OSBORN, Sc.D., LL.D.....*Da Costa Professor*
BASHFORD DEAN, Ph.D.....*Professor of Vertebrate Zoölogy*
HENRY E. CRAMPTON, Ph.D...*Professor of Zoölogy in Barnard College*
GARY N. CALKINS, Ph.D.....*Professor of Invertebrate Zoölogy*
MAURICE A. BIGELOW, Ph.D...*Adjunct Professor of Biology in Teachers College*
THOMAS H. MORGAN, Ph.D .....*Professor of Experimental Zoölogy*
JAMES H. MCGREGOR, Ph.D.....*Instructor in Barnard College*
NAOHIDÉ YATSŬ. Ph.D.....*Lecturer*
MARGARET A. REED, A.B.....*Tutor in Barnard College*
PAULINE H. DEDERER, A.B.....*Lecturer in Barnard College*
WILLIAM K. GREGORY. A.M.....*Assistant*
CHARLES S. MEAD, A.M.....*Assistant*
CHARLES V. MORRILL, A.M.....*Assistant*

Of the following courses 1–2, 4, 5, and 101–102 are given separately at Barnard College; all other courses are open to women.

For courses given at Teachers College see the current announcement of Teachers College.

Courses

See preliminary paragraphs, page 38

1–2—Elementary biology, zoölogy, histology, embryology, general principles of biology (presupposing elementary chemistry or physics). Shorter course, *C* 2 hours, *L* 4 hours; longer course *C* 3 hours, *L* 6 hours. Professors CALKINS, DEAN, and MORGAN

101–102—General zoölogy (to follow 1–2)

[101—Invertebrates. *C* 3 hours, *L* 6 hours. Professor CALKINS]

[102—Vertebrates. *C* 1 hour, *L* 2 hours. Professor DEAN]

93—Embryology of vertebrates. *C* 1 hour, *L* 2 hours. Professor DEAN

4—Experimental biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Pre-requisite 1–2. Professor MORGAN

5—General biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Pre-requisite 1–2. Under the direction of Professor WILSON

106—Cellular biology—General structure and functions of the cell. *C* 1 hour, *L* 5 hours. Professor WILSON

Open to undergraduates who have had at least two years of study in zoölogy.

97–98—Practical histology. Forms a supplement to 101–102 but may be taken separately, or with 93. *C* 1 hour, *L* 2 hours.

109 or 110—Microscopy of drinking waters—Lectures and laboratory work with selected reading. Professor CALKINS

151–152—See *Courses in Barnard College.*

201–202—Comparative zoölogy—Lectures, seminar, and laboratory work. Two days.

201—Special topics in invertebrate zoölogy. Professors WILSON and CALKINS

202—Vertebrate zoölogy. Professor OSBORN and Dr. GREGORY. Either half may be taken separately.

203–204—Mammals, living and fossil—Lectures and laboratory course. 6 hours (one day). Professor OSBORN

The latter part of this course is given in the American Museum of Natural History.

205—Fishes, living and fossil—*C* 1 hour, *L* 2 hours. Professor DEAN

206—Special morphology: the protozoa. *C* 1 hour, *L* 2 hours. Professor CALKINS

207—Advanced biology—Individual study of special biological problems as an introduction to original investigation.

208–209—Comparative embryology. One day. Professors DEAN and CALKINS

210—The enterocœla (exclusive of the protochordates). *C* 1 hour, *L* 5 hours. Professor CRAMPTON

211—The protochordates. One day. Dr. MCGREGOR

212—The experimental study of evolution—With special reference to the statistical study of variation and inheritance. 1 hour. Professor CRAMPTON

213—The tropisms of animals. 1 hour, with demonstrations and opportunities for laboratory work. Professor MORGAN

214—Sense organs of invertebrates. 1 hour with demonstrations and selected reading. Professor CALKINS

215–216—Experimental zoölogy. 1 hour with laboratory work on special problems. Professor MORGAN

217—Regeneration. 1 hour. Professor MORGAN

218—Experimental embryology. This course is parallel to **220**. 1 hour. Professor MORGAN

220—Cellular embryology. 6 hours (one day). Professor WILSON

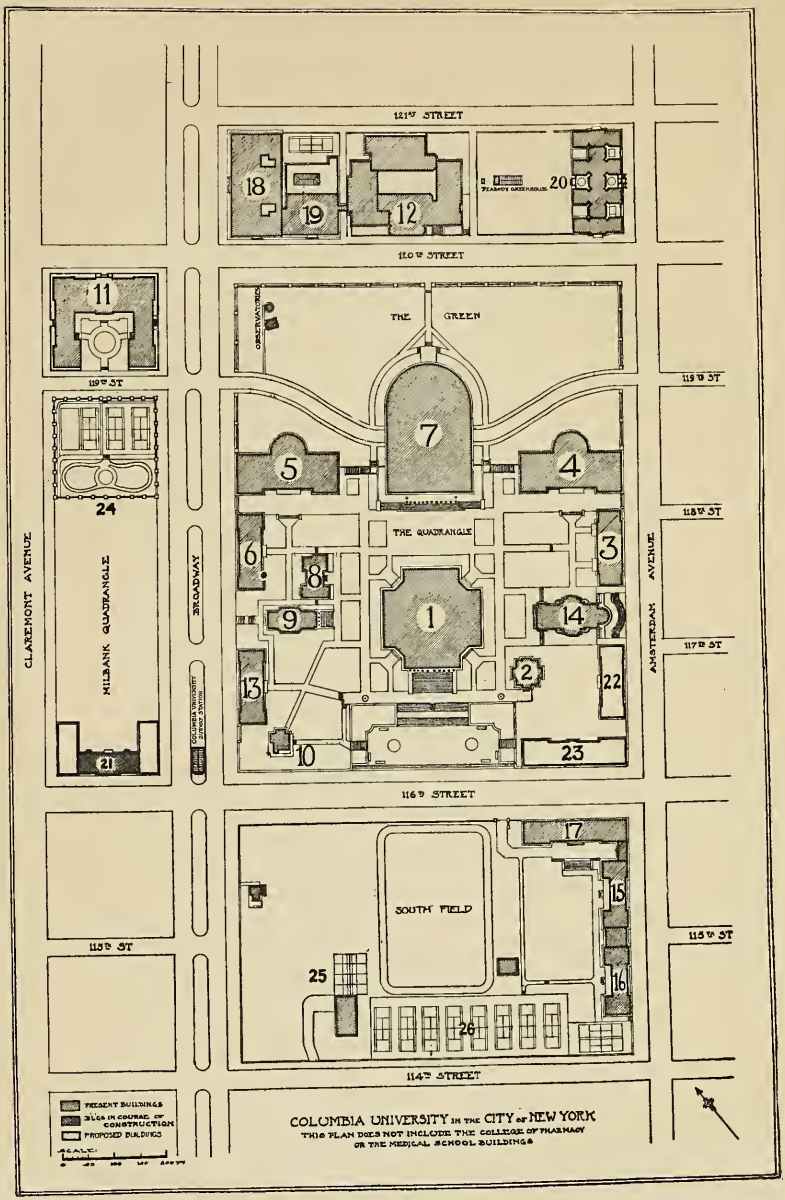
JOURNAL CLUB—Reports and discussions of recent literature by members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of the staff.

SEMINAR—Critical discussion of selected topics by members of the staff and graduate students. Subject and time are specially arranged.

UNIVERSITY BIOLOGICAL LECTURES—A course of lectures on general topics, given, as a rule, each year, by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series, edited by Professors OSBORN and WILSON

Laboratories, Libraries, and Equipment

The zoölogical laboratories on the upper floor of Schermerhorn comprise a large general undergraduate laboratory, three graduate laboratories, and eight rooms for private research, besides special rooms for supplies, aquaria, and preparation. There are also a commodious lecture-room, a library, and a seminar-room. The laboratories are well equipped with optical instruments, microtomes, and other apparatus for advanced work. The teaching collections include a series of the Mediterranean and American marine types,



1. Library
2. East
3. Fayerweather
4. Schermerhorn
5. Havemeyer
6. Engineering
7. University
8. West
9. Earl
10. South
11. Barnard College
12. Teachers College
13. Mines
14. St. Paul's Chapel
15. Hartley
16. Livingston
17. Hamilton
18. Horace Mann School
19. Physical Education
20. Women's Dormitory
21. Brooks
22. School of Journalism
23. Kent Hall
24. Women's Recreation Ground
25. Hand-Ball Courts
26. Tennis Courts

the injected vertebrate series of Fric and Muller, a set of standard and specially prepared charts and wax models, and a variety of living animals and plants contained in fresh-water and marine aquaria.

The departmental library, a part of the University Library kept in the laboratory, the gift of Charles H. Senff, Esq., is a memorial to the late Dr. John I. Northrop. It embraces sets of the standard biological works and includes the journals and a rapidly increasing collection of special monographs. A fund is available for the purchase of literature needed in connection with the special researches of students.

Important adjuncts to zoölogical work are offered by the American Museum of Natural History, the Bronx Zoölogical Garden, the New York Aquarium, and by the marine biological laboratories at Wood's Hole, Mass., and Cold Spring Harbor, L.I. The University has hitherto subscribed to one half of the university table at the Naples Zoölogical Station. An investigator's table is held at the Wood's Hole laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory.

Dyckman Fund—The interest of a fund of $10,000, established by the late Isaac M. Dyckman, Esq., is available annually for the encouragement of biological research, and may be used for special grants to advanced students, investigators, or lecturers, or for purchases of books and apparatus.

ENTRANCE EXAMINATIONS

Committee

Professor YOUNG, *Chairman*; Professors COLE, CRAMPTON, HAMLIN, HERVEY, LAMBERT, MCCREA, MACLAY, RUSBY, *and* SACHS.

GENERAL STATEMENT

There are no examinations for admission to the Schools of Law, Political Science, Philosophy, Pure Science, and Fine Arts (Courses leading to degrees), or to Teachers College. For the requirements for admission to these departments, see the separate announcements of the Schools and Faculties concerned.

Examinations for admission to Columbia College, Barnard College, the College of Physicians and Surgeons, the College of Pharmacy (University Course), the Schools of Applied Science and the Schools of Fine Arts (courses leading to certificates) are held each year in January, June, and September. In 1907 they will be held January 21–26, June 17–22, and September 16–21.

In June the examinations are those of the College Entrance Examination Board, of which Columbia University is a member. The University accepts the numerical ratings of the Board, but fixes a uniform passing mark for the several colleges and schools.

In January and September the examinations will be held only at the University. The Board *at present* holds examinations only in June.

While all persons taking the January examinations will receive due credit for the results of the examinations, students may be admitted, at the beginning of the second half-year, only to Columbia College and Barnard College.

All correspondence with the College Entrance Examination Board, all requests for its publications, etc., should be addressed to its Secretary, Post-Office Sub-Station 84, New York, N. Y.

All correspondence with the University should be addressed to the Secretary of the University.

APPLICATION FOR EXAMINATION

Every candidate for examination is required to file an application.

For the examinations in June, 1907, the application must be filed with the Secretary of the College Entrance Examination Board. Applications for examination in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the

Mississippi River) must be filed on or before June 3. Applications for examination elsewhere in the United States or in Canada must be filed on or before May 7. Applications for examination outside of the United States and Canada must be filed on or before May 3. Requests for blank forms of application should be addressed to the Secretary of the Board.

For the examinations in January and September, 1907, applications should reach the Registrar of Columbia University on or before January 14 and September 9. Requests for blank forms of application should be addressed to the Secretary of Columbia University and the Registrar of Barnard College.

EXAMINATION FEE

Every application for examination in June must be accompanied by a fee of $5 for all candidates examined at points in the United States and Canada, and $15 for all candidates examined at points outside of the United States and Canada.

Every application for examination in January or September must be accompanied either by a fee of $5, by a receipt from the Bursar for an examination fee previously paid, or by the receipt issued by the Secretary of the College Entrance Examination Board for the June examinations immediately preceding. *The latter will be accepted in either September or January, but not in both; and a single fee paid to the University will cover only two consecutive series of examinations, namely, January and September or September and January.*

If a late application is accepted either by the College Entrance Examination Board, or by the University, a second fee of $5 must be paid.

The examination fee receipt should be carefully preserved. It must be presented by the candidate to the Supervisor in charge of the examinations which he attends as evidence that he is entitled to be admitted to the same. No candidate will be admitted to the January or September examinations upon the receipt of the Board, unless that receipt bears the certification of the Registrar of Columbia University that the candidate's application has been filed.

DIVISION OF EXAMINATION

A candidate may present himself at any of the scheduled series of examinations subject to the following restrictions:

(1) He may not present himself at more than four series of examinations except by special consent of the Committee on Admissions of the School which he purposes to enter.

(2) At the first and the second series credit will be given only for such subjects, or lettered (or numbered) parts of a subject, as are approved by his principal instructor.

(3) The results of an examination shall stand to his credit for twenty-eight months, but no longer.

PLACES OF EXAMINATION

In June, 1907, entrance examinations will be held at a large number of widely distributed points, a list of which will be published by the Board about March 1. Requests for examinations at particular points, should reach the Secretary of the Board not later than February 1.

In January and September, 1907, examinations will be held only at the University.

EXAMINATION SUBJECTS

Columbia University recognizes the following examination subjects, which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of points as indicated below:

English	3	Musical Appreciation	1
Elementary French	2	Musical Performance [1]	2
" German	2	Physiography	1
" Greek	3	Shopwork [1]	1
" History	2	Zoölogy	1
" Italian [1]	2	Intermediate French	1
" Latin	4	" German	1
" Mathematics	3	Advanced English [1]	1
" Physics	1	" Greek [1]	1
" Spanish	2	" History [1]	1
Botany	1	" Latin [1]	1
Chemistry	1	" Mathematics	1
Drawing	1	" Physics [1]	1
Harmony	1		

The combinations of subjects for admission to the several colleges and schools are indicated in the pages devoted to each college or school, under the heading Admission.

SCHEDULE OF EXAMINATIONS

The examinations at Columbia University will be held as follows:

For men, in Earl Hall in January, and in the Gymnasium in June and September;

For women, in Barnard College in January, June, and September.

Candidates taking these examinations must report to the Supervisor, in the examination room, fifteen minutes in advance of the first examination which they are to attend.

SUBMISSION OF NOTE-BOOKS, DRAWINGS, ETC.

All work submitted must be duly certified to in ink by the teacher in the following form:

"I certify that this is a true and original record of work actually performed by .....while in attendance at.....during the year 19.....

Instructor in.....

[1] Candidates will be examined in this subject only in January and September.

Drawings should bear a similar certification, or in case of work not done under instruction should be accompanied by the candidate's own signed declaration.

All note-books unless otherwise specified should be submitted at the time of examination. Candidates desiring their return should apply for the June examinations to the Secretary of the College Entrance Examination Board; for the September and January examinations, to the Secretary of the University.

Drawings and English exercise books, submitted in lieu of examination, Advanced English essays, or Advanced History note-books, should be sent to the Secretary of the University at least two weeks before the examinations begin. Within ten days the candidate will be informed whether or not the work submitted has been accepted. English exercise books will *not* be returned to the writers.

DEFINITIONS OF REQUIREMENTS [1]

(Specimens of the question papers set by Columbia University may be obtained from the Secretary upon application. The question papers set by the College Entrance Examination Board are published annually in book form by Ginn & Company, Boston, Mass.)

BOTANY (counting one point)

The candidate should have received training by means of the laboratory method in:

The structure and the more obvious features of the life history of at least ten types among the higher seed plants chosen from the more representative families (*e. g.*, Gramineæ, Liliaceæ, Salicaceæ, Ranunculaceæ, Rosceaæ, Leguminosæ, Cruciferæ, Solanaceæ, Labiatæ, Compositæ). In addition to these, the following types are recommended among the remaining lower groups of plants: pine, *Selaginella;* a fern, a moss (*Polytrichum* or *Funaria*); a leafy hepatic, *Marchantia;* a mildew (*Microsphæra*); an agaric, *Vaucheria, Spirogyra;* and a protophyte (preferably *Sphærella*).

Physiology. This work should cover the essential facts concerning irritability, photosynthesis, respiration, digestion, growth, and reproduction.

Ecology. The natural history of plants should receive considerable attention, and the behavior of plants toward environmental factors (especially light and moisture), dissemination, cross and close pollination, and the more important structural and physio-

[1] The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

logical characteristics of plant formations (hydrophytes, halophytes, mesophytes, and xerophytes) should be included.

As evidence of proper laboratory training and of satisfactory work, a note-book must be submitted. (See Submission of Note-books, page 154.)

CHEMISTRY (counting one point)

The candidates' preparation in Chemistry should include:

a. The study of a standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary chemistry.

b. Instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.

c. Individual laboratory work, comprising at least forty exercises.

An indexed note-book of the experiments must be submitted. (See Submission of Note-books, page 154.)

The following outline includes only the indispensable things which must be studied in the class-room and laboratory. The material is, for the most part, common to all elementary text-books and laboratory manuals. The order of presentation will naturally be determined by each teacher for himself.

OUTLINE.—The chief physical and chemical characteristics, the preparation and the recognition of the following elements together with their principal compounds: *oxygen*, *hydrogen*, *carbon*, *nitrogen*, *chlorine*, *bromine*, *iodine*, *fluorine*, *sulphur*, phosphorus, silicon, potassium, *sodium*, calcium, magnesium, *zinc*, copper, mercury, silver, aluminum, *lead*, tin, *iron*, manganese, chromium.

More detailed study should be confined to the italicized *elements* (as such) and to a restricted list of compounds such as water, hydrochloric acid, carbon-monoxide, carbon-dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur-dioxide, sulphuric acid, hydrogen-sulphide, sodium-hydroxide, ammonium-hydroxide.

Attention should be given to the atmosphere (constitution and relation to animal and vegetable life), flames, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and Boyle's and Charles's laws, symbols and nomenclature, atomic theory, atomic weights, valency (in a very elementary way), nascent state, natural grouping of the elements, solution (solvents and solubility of gases and solids and liquids, saturation), strength of acids and bases, conservation and dissipation of energy, chemical energy, electrolysis. Chemical terms should be clearly understood, and the pupil should be able to illustrate and apply the ideas they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught

only so far as is necessary for the correlation and explanation of the experimental facts.

DRAWING (counting one point)

The candidate's preparation in Drawing should include simple geometrical, plane, and solid figures, simple pieces of machinery, the drawing of simple pieces of architectural ornament (a Greek anthemion, a design of iron scrollwork, etc.), the copying of machinery details, or the copying of still life and simple plant forms, with a fair knowledge of perspective and light and shade as applied in freehand sketching. The candidate should be able to reproduce from a flat copy with enlargement or reduction of size.

Every candidate must present at the time of and as part of the examination in drawing a set of drawings executed during one year's course in a preparatory school and within a period of two years before the time of application for admission.

These drawings should be at least twenty in number and should display the proficiency of the student in the following points:

1. Ability to sketch freehand from dictation with reasonable accuracy and with fairly correct steady and clean lines any simple geometrical figure or combinations of figures, straight lines, squares and circles, polygons, spirals, or the like.

2. Ability to sketch from the object with reasonable correctness of proportion, structure, and form, geometrical models, simple vases, simple details of machinery or common objects such as ordinary household furniture and utensils.

3. Ability to sketch from the copy, enlarging or reducing its dimensions, any simple object such as a globe valve, stop-cock, or any ordinary historical ornament such as an acanthus leaf, egg and dart ornament, anthemion, tile pattern, iron scroll work, or the like.

Correctness of proportion and accuracy in the angles and curves and structural relations of the parts of every figure or object drawn are of the highest importance, and great care should be taken in laying out the drawings in the use of construction lines and in the drawing of general masses and contour before the details are begun.

A certain proportion of shade drawing from casts may be included, but they are not required and should not form the majority of the drawings submitted.

In case the candidate has not attended a systematic course of instruction as detailed above he may submit a corresponding set of freehand drawings, duly certified by his instructor, or with his own signed declaration that the drawings are his own work. (See Submission of Note-books, page 154.)

ENGLISH

Elementary (counting three points)

No applicant will be accepted in English whose work is notably defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

a. Reading and Practice.—The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to show the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In every case knowledge of the book will be regarded as less important than the ability to write good English. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books, and prepared in accordance with a list of directions, to be obtained by addressing the Secretary of the University. (See Submission of Note-books, page 154.) In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

Candidates intending to take this part of the examination should read the books prescribed for the year in which they propose to submit themselves for examination in this subject.

In 1907 and 1908 the books prescribed for this part of the examination are as follows:

Shakspere's Merchant of Venice and Macbeth; The Sir Roger de Coverley Papers in the Spectator; Irving's Life of Goldsmith; Coleridge's Ancient Mariner; Scott's Ivanhoe and The Lady of the Lake; Tennyson's Gareth and Lynette, Launcelot and Elaine, and The Passing of Arthur; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

In 1909, 1910, and 1911 ten books, selected from the following list as prescribed below, are to be offered for examination:

Group I (two to be selected). Shakspere's As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.

Group II (one to be selected). Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

Group III (one to be selected). Chaucer's Prologue; Spenser's Faerie Queene (selections); Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury

(First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected). Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe; Scott's Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; Dickens's A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

Group V (two to be selected). Irving's Sketch-Book; Lamb's Essays of Elia; De Quincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays (Selected); Ruskin's Sesame and Lilies.

Group VI (two to be selected). Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Launcelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

b. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to memory. The essentials of English grammar should not be neglected in preparatory study.

The books prescribed for this part of the examination are as follows:

In 1907 and 1908: Shakspere's Julius Cæsar; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America; Macaulay's Essay on Addison and Life of Johnson.

In 1909, 1910, and 1911: Shakspere's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America, or Washington's Farewell Address and

Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

Advanced (counting one point)

The requirement in advanced English is the equivalent of English A1–A2, the course prescribed for freshmen. Candidates are examined in the following subjects:

1. English composition, with special attention to correctness of style and orderly arrangement of material. In preparation for this part of the examination, the student should gain a practical acquaintance with the principles of rhetoric as expounded in any good textbook.

2. English literature—the general history from the Anglo-Saxon period to the death of Tennyson, and selected works from the Elizabethan period to the present day. (A list of these works can be obtained on application to the Secretary of the University.)

In examination the candidate will be expected to answer questions on the history of English literature and to write short essays based on topics relating to the works prescribed. In addition, he must submit, at least two weeks before the examinations begin, not less than ten essays of at least 500 words each. At least half, but not all, should be on topics chosen from the books prescribed.

FRENCH

a. **Elementary** (counting two points)

The Aim of the Instruction.—At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life, or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar, as defined below.

The Work to be Done.—During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5), writing French from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Suitable texts for the second year are: About's *Le roi des montagnes*, Bruno's *Le tour de la France*, Daudet's easier short tales, La Bédolière's *La Mère Michel et son chat*, Erckmann-Chatrian's stories, Foa's *Contes biographiques* and *Le petit Robinson de Paris*, Foncin's *Le pays de France*, Labiche and Martin's *La poudre aux yeux* and *Le voyage de M. Perrichon*, Legouvé and Labiche's *La cigale chez les fourmis*, Malbot's *Sans famille*, Mairet's *La tâche du petit Pierre*, Mérimée's *Colomba*, extracts from Michelet, Sarcey's *Le siège de Paris*, Verne's stories.

b. **Intermediate** (counting one point)

The Aim of the Instruction.—At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The Work to be Done.—This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's *Le gendre de M. Poirier*, Béranger's poems, Corneille's *Le Cid* and *Horace*, Coppée's poems, Daudet's *La Belle-Nivernaise*, La Brête's *Mon oncle et mon curé*, Madame de Sévigné's letters, Hugo's *Hernani* and *La chute*, Labiche's plays, Loti's *Pêcheur d'Islande*, Mignet's historical writings, Molière's *L'avare* and *Le bourgeois gentilhomme*, Racine's *Athalie*, *Andromaque*, and *Esther*, George Sand's plays and stories, Sandeau's *Mademoiselle de la Seiglière*, Scribe's plays, Thierry's *Récits des temps merovingiens*, Thiers's *L'expédition de Bonaparte en Egypte*, Vigny's *La canne de jonc*, Voltaire's historical writings.

GERMAN

a. **Elementary** (counting two points)

The Aim of the Instruction.—At the end of the elementary course

in German the pupil should be able to read at sight, and to translate, if called upon, by way of proving his ability to read, a passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English sentences taken from the language of everyday life or based upon the text given for translation, and to answer questions upon the rudiments of grammar, as defined below.

The Work to be Done.—During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar—that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read, and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen's *Märchen* and *Bilderbuch ohne Bilder;* Arnold's *Fritz auf Ferien;* Baumbach's *Die Nonna* and *Der Schwiegersohn;* Gerstäcker's *Germelshausen;* Heyse's *L'Arrabbiata, Das Mädchen von Treppi,* and *Anfang und Ende;* Hillern's *Höher als die Kirche;* Jensen's *Die braune Erica;* Leander's *Träumereien* and *Kleine Geschichten;* Seidel's *Märchen;* Stökl's *Unter dem Christbaum;* Storm's *Immensee* and *Geschichten aus der Tonne;* Zschokke's *Der zerbrochene Krug.*

Among the shorter plays the best available are perhaps Benedix's *Der Prozess, Der Weiberfeind,* and *Günstige Vorzeichen;* Elz's *Er ist nicht eifersüchtig;* Wichert's *An der Majorsecke;* Wilhelmi's *Einer muss heiraten.* It is recommended, however, that not more than one of these plays be read. The narrative style should predominate. A good selection of reading matter for the second year would be Ander-

sen's *Märchen*, or *Bilderbuch*, or Leander's *Träumereien*, to the extent of, say, forty pages. After that such a story as *Das kalte Herz*, or *Der zerbrochene Krug;* then *Höher als die Kirche*, or *Immensee;* next a good story by Heyse, Baumbach, or Seidel; lastly, *Der Prozess.*

b. **Intermediate** (counting one point)

The Aim of the Instruction.—At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation; and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied.

The Work to be Done.—The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses, and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

The intermediate course is supposed to be the elementary course plus one year's work at the rate of not less than four recitations a week. Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein;* Freytag's *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*—for example, *Karl der Grosse, Aus den Kreuzzugen, Doktor Luther, Aus dem Staat Friedrichs des Grossen;* Fouqué's *Undine;* Gerstäcker's *Irrefahrten;* Goethe's *Hermann und Dorothea* and *Iphigenie;* Heine's poems and *Reisebilder;* Hoffmann's *Historische Erzählungen;* Lessing's *Minna von Barnhelm;* Meyer's *Gustav Adolfs Page;* Moser's *Der Bibliothekar;* Riehl's *Novellen*—for example, *Burg Neideck, Der Fluch der Schönheit, Der stumme Ratsherr, Das Spielmannskind;* Rosegger's *Waldheimat;* Schiller's *Der Neffe als Onkel, Der Gertserseher, Wilhelm Tell, Die Jungfrau von Orleans, Das Lied von der Glocke, Balladen;* Scheffel's *Der Trompeter von Säkkingen;* Uhland's poems; Wildenbruch's *Das edle Blut.*

GREEK

Elementary (counting three points)

a. i. Grammar.

The common forms, idioms, and constructions, and the general grammatical principles of Attic Greek prose.

ii. Elementary Prose Composition.

Translation into Greek of detached sentences to test the candidate's knowledge of grammatical constructions.

The examination in the two subjects immediately preceding will be based on the first two books of Xenophon's Anabasis.

Beginning in June, 1907, Greek *a*. i. and ii. *will be considered as a single, indivisible subject.*

b. Xenophon.

The first four books of the Anabasis.

c. Homer.

The first three books of the Iliad (omitting II, 494–end) and the constructions, poetical forms, and prosody of Homer's Iliad.

f. Prose Composition.

Translation into Greek of continuous prose based on Xenophon and other Attic prose of similar difficulty.

g. Sight Translation.

Translation into English at sight, based on prose of no greater difficulty than Xenophon's Anabasis.

Advanced (counting one point)

Candidates offering Greek as an advanced subject must present the equivalent of the course known as Greek 3–4 (see courses announced by the Division of Classical Philology). In Homer, for which no equivalent will ordinarily be accepted, the minimum requirement will be 1600 lines in addition to the amount offered for the elementary examination. The candidate must also offer the eight orations of Lysias in Morgan's edition, or an equivalent amount of similar Greek, and in prose composition at least twenty exercises in the writing of connected narrative prose. The exercises in Part III of Allinson's Greek Prose Composition will show the grade of preparation demanded. Candidates applying for examination in this subject must designate the equivalents, if any, which they wish to offer.

HISTORY

Elementary (counting two points)

Candidates offering history as an elementary subject may present themselves for examination upon either of the following groups. They will not be permitted to offer both of these groups as elementary subjects.

First Group:

a. Ancient history, including a brief introductory study of the Oriental peoples and early mediæval history to the death of Charlemagne, with due reference to art, literature, and government.

b. Mediæval and modern history, from the death of Charlemagne

to the present time, with due reference to the growth of the state-system.

Second Group:

c. English history, with due reference to social and political development.

d. American history, with the elements of civil government.

NOTE.—For preparation in either of these groups a course of study equivalent to at least three lessons a week for two years will be needful. On examination a candidate must show such general knowledge of each field offered as may be acquired from the study of an accurate text-book of not less than three hundred pages. Since, however, the examination will be so framed as to require comparison and the use of judgment rather than mere exercise of memory on the part of the pupil, it is recommended that the teacher prescribe a course of supplementary reading of not less than three hundred pages dealing with the more important periods and events in each of the historical fields offered. Geographical knowledge will be tested by requiring the location of places and movements on an outline map.

Advanced (counting one point)

The requirement in advanced history is intended to be an equivalent for History **A1–A2**—the course prescribed in Columbia College (see courses given by Department of History). The work done at school, therefore, should be substantially identical with that course, the nature of which is explained in a syllabus that may be obtained on application to the University Bookstore. Those candidates who have taken the examination in elementary history, and desire to offer history as an advanced subject, must present themselves for examination upon the historical fields included in *that group which they did not offer as an elementary subject*. For example, if a candidate offers the first group as the elementary subject, he must offer the second group as the advanced subject, and *vice versa*. The examination will presuppose superior ability on the part of the candidate in advanced history to understand the significance of historical events, movements, or tendencies, to discern similarities and contrasts, and to combine results. Especial care should be exercised therefore, in the selection of the supplementary reading on the more important periods and events in each of the historical fields within the group.

As further evidence of proficiency, satisfactory written work must be presented in the form of a note-book, or bound collection of notes (see Submission of Note-books, page 154), containing not less than five thousand words on each historical field offered, and must show practice in at least three of the following exercises:

(*a*) Notes and digests of reading outside of the text-books.

(*b*) Written recitations requiring the use of judgment, and the application to new questions of knowledge already gained.

(*c*) Written parallels between historical characters, events, or periods.

(*d*) Brief studies of topics limited in scope, prepared outside the class-room and illustrated by some reference to contemporary material.

(*e*) Historical maps or charts showing explorations, migrations, conquests, territorial changes, or social phenomena.

ITALIAN

Elementary (counting two points)

THE AIM OF THE INSTRUCTION.—At the end of the course the pupil should be able to pronounce Italian accurately, to read at sight easy Italian prose, to put into Italian simple English sentences taken from the language of everyday life, or based upon a portion of the Italian text read, and to answer correctly questions on the rudiments of the grammar, as defined below.

THE WORK TO BE DONE.—During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) abundant exercises illustrating the principles of grammar; (4) the reading and accurate rendering into good English of from 100 to 175 duodecimo pages of graduated texts, with translation into Italian of easy variations of the sentences read; (5) writing Italian from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of modern prose from different authors and of easy poetry; (2) practice in translating Italian into English, and English variations of the text into Italian; (3) continued study of the elements of grammar and of syntax; (4) mastery of all but the rare irregular verb-forms and of the simpler uses of the moods and tenses; (5) writing Italian from dictation.

Suitable texts for the second year are; E. DeAmicis' *Cuore;* G. Giacosa's *Acquazzoni in montagna;* P. Zambri's *Il caporale di settimana;* G. Gozzi's *Poesie e prosce*, scelte da A. Pippi; G. C. Abba's *Da Quarto al Volturno*; Guido Zalorsi's *Guardare e pensare;* S. Zarira's *Il Signor Io;* A. Stoppani's *Il bel pæse.*

LATIN

Elementary (counting four points)

NOTE.—To secure four points candidates must offer *a*, *c*, *d*, *l*, and *m* except candidates for admission to the College of Physicians and Surgeons and the College of Pharmacy, who may offer *b* (Cæsar) as a substitute for either *c* or *d*.

Candidates for admission to Columbia College (course leading to B.S. degree), the College of Physicians and Surgeons, or the College of Pharmacy, who are unable to offer the whole of Elementary Latin,

will be permitted to offer two points from this subject. Such candidates must offer parts *a* and *c*, or *a* and *d*, except candidates for the College of Physicians and Surgeons or the College of Pharmacy, who must offer *a* and either *b* or *c* or *d*.

To secure two points candidates for admission to the Schools of Music and Design must offer *a* and either *c* or *d;* and candidates for admission to the Schools of Applied Science and the School of Architecture must offer *a* and either *b* or *c* or *d*.

a. i. Grammar.

The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; structure of the sentence in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

ii. Elementary prose composition.

Translation into Latin of detached sentences and very easy, continuous prose based upon Cæsar and Cicero.

Beginning in June, 1907, Latin *a* i and ii *will be considered as a single, indivisible subject.*

b. Cæsar. (See note above.)

Any four books of the Gallic War, preferably the first four.

c. Cicero.

Any six orations from the following list, but preferably the first six mentioned:

The four orations against Catiline, Archias, and the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

d. Vergil.

The first six books of the Æneid, and so much of prosody as relates to accent, versification in general, and the dactylic hexameter.

l. Prose composition.

Translation into Latin of continuous prose of moderate difficulty based on Cicero.

m. Elementary sight translation.

Translation into English at sight, based exclusively on prose of no greater difficulty than the easier parts of Cicero's orations.

Advanced (counting one point)

Candidates offering Latin as an advanced subject must present the equivalent of the course known as Latin A1–A2 (see courses announced by the division of Classical Philology). This course comprises the reading of Cicero's De Senectute and De Amicitia, a review of the syntax of the verb as contained in any standard grammar, and a knowledge of prose composition as represented by the second part of Daniells's New Latin Composition; also the reading of the first and

third books of the Odes of Horace, with a satisfactory knowledge of the prosody.

Candidates applying for examination in this subject must designate the equivalents, if any, which they wish to offer.

MATHEMATICS

Elementary (counting three points)

a. Elementary algebra.

i. The four fundamental operations for rational algebraic expressions.

Factoring, determination of highest common factor and lowest common multiple by factoring.

Fractions; including complex fractions, ratio and proportion.

Linear equations, both numerical and literal, containing one or more unknown quantities.

Problems depending on linear equations.

Radicals, including the extraction of the square root of polynomials and of numbers.

Exponents, including the fractional and negative.

ii. Quadratic equations, both numerical and literal.

Simple cases of equations with one or more unknown quantities that can be solved by the methods of linear or quadratic equations.

Problems depending upon quadratic equations.

The binomial theorem for positive integral exponents.

The formulas for the *n*th term and the sum of the terms of arithmetic and geometric progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

c. Plane geometry.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons, and the measurement of the circle.

The solution of numerous original exercises, including loci problems.

Applications to the mensuration of lines and plane surfaces.

Advanced (counting one point)

d. Solid geometry.

The usual theorems and constructions of good text-books; in-

cluding the relations of planes and lines in space; the properties and measurements of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle.

The solution of numerous original exercises, including loci problems.

Applications to the mensuration of surfaces and solids.

e. Trigonometry.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles.

Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas.

Solution of trigonometric equations of a simple character.

Theory and use of logarithms (without the introduction of work involving infinite series).

The solution of right and oblique triangles, and practical applications, including the solution of right spherical triangles.

MUSIC

a. **Musical Appreciation** (counting one point)

The examination will be adapted to the attainment of those who have had one year's systematic training, with three lessons a week, (of at least one hour each) or its equivalent. The candidate is expected to have:

(1) A general knowledge of the principal musical forms—song, classic dance, fugue, sonata (all movements), symphony—and of their historical development;

(2) A general knowledge of the lives and environment of at least ten composers, including Bach, Mozart, Beethoven, Schubert, Chopin, and five of the following: Purcell, Handel, Gluck, Haydn, Cherubini, Weber, Rossini, Glinka, Mendelssohn, Schumann, Wagner, Verdi;

(3)[1] Familiarity with certain designated works. The works set for 1907 and 1908 are:

Bach:	Prelude I and Fugue I from The Well-Tempered Clavichord
	Gavotte from Sixth Violoncello Suite.
Handel:	Air with Variations ("The Harmonious Blacksmith").
Haydn:	Largo from String Quartet (op. 74, No. 3).

[1] The examination in (3) will be held only in September and January, and will be open only to candidates who have passed the examinations in (1) and (2).

Mozart:	Overture to "The Magic Flute." Symphony in G Minor (entire).
Beethoven:	Sonate Pathétique (op. 13, entire). Larghetto from Second Symphony. Allegro con Brio from Fifth Symphony.
Weber:	Overture to "Der Freischütz."
Schubert:	Moment Musical in F Minor (op. 94, No. 3). Song, "The Erl-King." Song "Hark, Hark, the Lark."
Mendelssohn:	Scherzo from "Midsummer Night's Dream." "Spinning Song" (op. 67, No. 4).
Chopin:	Polonaise (op. 40. No. 1). Nocturne (op. 37, No. 2).
Schumann:	"Aufschwung" (op. 12, No. 2). Song, "Im wunderschönen Monat Mai."
Wagner:	Overture to "Tannhäuser." Siegfried's Funeral March, from "Götterdämmerung."

In the examination in (3) the candidate will be expected to identify characteristic portions of the works set, when played by the examiner; and to give intelligent information concerning the form and character of the works themselves. The test will not require ability to perform nor to read from printed music.

b. **Harmony** (counting one point)

(1) The ability to harmonize, in four vocal parts, simple melodies of not fewer than eight measures, in soprano or in bass—these melodies will require a knowledge of triads and inversions, of diatonic seventh chords and inversions, in the major and minor modes; and of modulation, transient or complete, to nearly-related keys;

(2) Analytical knowledge of ninth chords, all non-harmonic tones, and altered chords (including augmented chords). [Students are encouraged to apply this knowledge in their harmonization.]

It is urgently recommended that systematic ear-training (as to interval, melody, and chord) be a part of the preparation for this examination. Simple exercises in harmonization at the pianoforte are recommended. The student will be expected to have a full knowledge of the rudiments of music, scales, intervals, and staff-notation, including the terms and expression-marks in common use.

Musical Performance (counting 2 points)

Students desiring to offer this subject should communicate with the School of Music to ascertain the scope of the work and to arrange for the necessary examination.

PHYSICS

Elementary (counting one point)

The candidate's preparation in physics should include:

a. The study of a standard text-book supplemented by the use of many varied numerical problems, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws in elementary physics.

b. Instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.

c. Individual laboratory work, comprising at least thirty-five exercises distributed about as follows: mechanics 13, sound 3, heat 5, light 6, electricity 8. An indexed note-book of the experiments must be submitted. (See Submission of Note-books, page 154.)

Advanced (counting one point)

Candidates offering physics as an advanced subject must have studied physics for a full year after satisfactorily completing the elementary requirement. The work during this time must be devoted to a more thorough and extensive study of the subjects previously cov ered in a general way, in a course equivalent to that known as Physics 3–4 (see courses announced by the Division of Mathematical and Physical Science).

PHYSIOGRAPHY (counting one point)

The candidate's preparation in physiography should include the study of one of the modern text-books by Davis, Tarr, Dryer, or Gilbert and Brigham, together with an approved laboratory and field course of at least forty exercises actually performed by the candidate. Each division of the subject should receive approximately the same proportion of attention in the laboratory as in the class work. It is suggested that the exercises be divided somewhat as follows: Earth as a Globe, 5; Ocean, 5; Atmosphere, 12; Land, 18. An indexed note-book containing the record of these exercises must be submitted. (See Submission of Note-books, page 154.)

SHOPWORK (counting one point)

The candidate may offer any one of the following subjects:

a. Wood-work.

b. Forging.

c. Machine-work.

The candidate should have received laboratory instruction amounting to at least 180 hours in the subject offered, and will be required to pass both a written and a laboratory examination. The written examination will deal with the use and structure of tools, the nature of the usual shop processes and methods of work, and the properties of the materials commonly used in construction. The laboratory examination will consist of a practical test in the use of tools. The working drawing of some piece of work will be given the candidate, and he will be expected to select his tools and carry through all processes necessary for a finished result. As evidence of technical skill, the models made at school may be presented. They must be accompanied by a certificate from the instructor stating that they are the pupil's own work.

The following indicates the scope of the examinations:

a. Wood-work.

i. Joinery—Skill in the use of the ordinary carpenter's tools will be required and ability to sketch and describe their parts. The candidate will be expected to know the correct steps to pursue in laying out and finishing a simple piece of work. He will also be called upon to make the common joints and splices and to represent them by sketches. He should also be able to recognize the common varieties of wood, and to indicate their relative strength, hardness, character of grain, and tendency to warp.

ii. Turning and Pattern Making—Ability in straight and simple curved turning both in hard and soft woods will be required, as well as a knowledge of the various methods of holding work in the lathe. The candidate should understand the requirements in making simple patterns and be able to describe the way in which such patterns are moulded.

b. Forging.

The candidate should have had practice in drawing, upsetting, forming, bending, and welding of iron and in forming, hardening, and tempering of steel. He should be able to describe the difference in appearance and in physical properties of wrought iron, soft steel, and tool steel, and state some of the uses to which each is put. He should be able to show the construction of the forge by sketches and indicate the proper handling of a piece in the fire.

c. Machine-Work.

The candidate should have had experience both in chipping and filing cast and wrought iron and steel, and in the simpler processes performed on small engine lathes, drills, planers, shapers, and milling machines. He should be able to describe the mechanical construction of such tools and the operation of the different parts. He should also be able to indicate the correct

methods of securing the pieces to be operated upon, and of adjusting the tool for a given result.

SPANISH (counting two points)

THE AIM OF THE INSTRUCTION.—At the end of the course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of everyday life, or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar, as defined below.

THE WORK TO BE DONE.—During the first year the work should comprise: (1) careful drill in pronunciation: (2) the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) exercises containing illustrations of the principles of grammar; (4) the reading and accurate rendering into good English of from 100 to 175 duodecimo pages of graduated texts, with translation into Spanish of easy variations of the sentences read; (5) writing Spanish from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of modern prose from different authors; (2) practice in translating Spanish into English, and English variations of the text into Spanish; (3) continued study of the elements of grammar and syntax; (4) mastery of all but the rare irregular verb-forms and of the simpler uses of the moods and tenses; (5) writing Spanish from dictation.

Suitable texts for the second year are: Valera's *El pájaro verde;* Alarcón's *El final de Norma, El capitán Veneno;* Valdès's *José;* Galdós's *Doña Perfecta ; Marianela ;* Padre Isla's version of *Gil Blas;* Carrion and Aza's *Zaragüeta.*

ZOÖLOGY (counting one point)

The requirement in Zoölogy is in accordance with the report of a committee appointed by the American Society of Zoölogists.

OUTLINE FOR THE ONE-POINT OPTION IN ZOÖLOGY.—The following outline includes the principles of zoölogy which are indispensable to a general survey of the science. It is planned for a full year's course. It is not intended to indicate order of study of the topics—this must be left to the teacher and the text-book.

1. The general natural history—including general external structure in relation to adaptations, life histories, geographical range, relations to other plants and animals, and economic relations—of common vertebrates and invertebrates so far as representatives of these groups are obtainable in the locality where the course is given. The types suggested are a mammal, bird, lizard, snake, turtle, newt, frog, dogfish or shark, bony fish, clam, snail, starfish, earthworm, planarian,

hydra, sea-anemone, paramœcium. In the case of arthropods, pupils should become familiar with common crustaceans, spiders, myriapods, and insects representing at least five orders. Actual examination of common animals with reference to the above points should be supplemented by reading giving natural-history information.

It is not expected that there will be time for making extensive note-books on the natural-history work; rather will the work in this line take the form of laboratory demonstrations. So far as time permits drawings and notes should be made. The note-book mentioned below should contain at least drawings on the external structure of four animals not studied under Section 3, preferably two insects, a mollusk, and a second vertebrate.

2. The classification of animals into phyla and leading classes (except the modern subdivisions of the worms) and the great characteristics of these groups. In the case of insects and vertebrates the characteristics of the prominent orders. The teaching of classification should be by practical work so as to train the pupil to recognize animals and to point out the chief taxonomic characteristics. The meaning of species, genera, and larger groups should be developed by constructive practical work with representatives of insect or vertebrate orders.

3. The general plan of external and internal structure, not the anatomical minutiæ, of one vertebrate (preferably frog or fish) in general comparison with human body; an arthropod (preferably a decapod); an annelid (earthworm or Nereis); a cœlenterate (hydroid, hydra or sea-anemone); a protozoön (a ciliate, and amœba when possible). In place of any of above types not locally available there may be substituted a second vertebrate, an insect, a mollusk, or an echinoderm. Tissues, the study of which is recommended as optional,[1] should be examined first with the unaided eye, in such a structure as a frog's leg, and then with a microscope demonstrate the relations of cells and intercellular substance in epithelium and cartilage; and, if possible, in other tissues. The functions of the chief tissues and their positions in the body of a vertebrate should be pointed out.

4. (*a*) The general physiology of above types, involving the essentials of digestion, absorption, circulation (respiration), cell-metabolism, secretion, excretion, and nervous functions. This should apply comparatively the essentials of elementary work in human physiology. Demonstrations and experiments, such as are suggested in high-school text-books on human physiology, should be introduced, or recalled if not previously well presented in elementary physiology, in connection with the discussion of the chief functions. As far as practicable structure and function should be studied together.

(*b*) Comparison of the general life-processes in animals and plants (in connection with botany if zoölogy is first studied).

[1] Topics marked "optional" are regarded as *desirable* for the best high-school zoölogy, but will not be required in examinations.

5. The very general features of asexual reproduction of a protozoön (preferably *Paramœcium*); alteration of generations in hydroids; reproduction and regenerations of *Hydra;* the very general external features of embryological development in a fish or frog; and (*optional*) the general cellular nature (not centrosomes and the like) of germ-cells, fertilization and cell-division in developing eggs should, as far as possible, be demonstrated and briefly described. Also, the most interesting features of development should be pointed out in the case of other animals studied.

6. The prominent evidences of relationship, suggesting evolution within such groups as the decapods, the insects, and the vertebrates, should be demonstrated. A few facts indicating the struggle for existence, adaptation to environment, variations of individuals and man's selective influence should be pointed out; but the factors of evolution and the discussion of its theories should not be attempted.

7. (*Optional*) Some leading facts regarding the epoch-making discoveries of biological history and the careers of such eminent naturalists as Darwin, Huxley, Pasteur, and Agassiz should be presented.

The above outline of a course in general zoölogy should be developed on the basis of a course of laboratory study guided by definite directions. This should be supplemented by the careful reading of at least one modern elementary text-book in general zoölogy. At least two thirds of the time should be devoted to the practical studies of the laboratory. If good nature-studies have not preceded the course in high-school zoölogy, pupils should be encouraged to do supplementary work in the line of natural history. A note-book with carefully labelled outline drawings of the chief structures studied anatomically (Section 3), and the drawings mentioned under natural history (Section 1), and with notes on demonstrations and in explanation of drawings, with dates and an index, must be submitted. It will be graded as one third of the examination. (See Submission of Note-books, page 154.)

REGULATIONS FOR THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

NOTE.—Attention is particularly called to the separately printed pamphlet entitled "Instruction for Graduate Students."

1. Candidates for the degrees of Master of Arts and Doctor of Philosophy must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree, or an education equivalent to that represented by one of these degrees, such equivalence to be passed upon in every case by the Standing Committee on Higher Degrees.

Every candidate for a higher degree must present to the Dean of each school in which he intends to study satisfactory evidence that he is qualified for the studies he desires to undertake.

2. Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively.[1] The year spent in study for the degree of Master of Arts is credited on account of the requirement for the degree of Doctor of Philosophy. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the requirement of residence. No degree will be conferred upon any student who has not been in residence at Columbia University for at least one year. The satisfactory completion, at not less than four Summer Sessions, of courses of instruction having in all a value of eight hours' work a week for one academic year will be accepted as fulfilling the minimum requirement of one year's university residence.

3. Each student who declares himself a candidate for the degrees of Master of Arts and Doctor of Philosophy, or either of them, shall designate one principal or major subject and two subordinate or minor subjects.

Candidates are expected to devote at least one half of their time throughout their course of study to the major subject. In the case of laboratory courses this implies two days a week, or its equivalent, as determined by each department. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during two years for the degree of Doctor of Philosophy.

[1] In practice three years of University residence subsequent to the attainment of the Bachelor's degree, or its equivalent, are usually necessary to obtain the degree of Doctor of Philosophy.

When a candidate in his choice of subjects under any Faculty designates a subject as his major and first minor, no subdivision of that general subject may be chosen by him as a second minor, except that, by special vote of the Committee on Higher Degrees, upon the recommendation of the Dean and the head of the department concerned, a candidate may choose all of his subjects under one department.

Minor subjects may not be changed except by permission of the Dean, to be given only on the written recommendation of the heads of the departments concerned; major subjects may not be changed except by a special vote of the Faculty in each case.

The professor in charge of the major subject and the Dean of the Faculty under which that subject lies shall pass upon the student's qualifications for the course of study he desires to pursue and shall approve his choice of subjects before registration can be effected.

4. The subjects from which the candidate's selection must be made are:

Under the Faculty of Political Science

Group I.—History and political philosophy: 1. Ancient and oriental history; 2. mediæval history; 3. modern European history from the opening of the 16th century; 4. American history; 5. political philosophy.

Group II.—Public law and comparative jurisprudence: 1. Constitutional law; 2. international law; 3. administrative law; 4. comparative jurisprudence.

Group III.—Economics and social science: 1. Political economy and finance; 2. sociology and statistics; 3. social economy.

In his choice of subjects under this Faculty, the candidate whose major subject lies within its jurisdiction is limited by the following rules:

A candidate for the degree of Doctor of Philosophy must select one minor subject within the group which includes his major subject.

A candidate for the degree of Master of Arts or Doctor of Philosophy must select one minor subject outside of the group which includes his major subject.

To be recognized as a major subject for the degree of Master of Arts, the courses selected must aggregate at least two hours per week, throughout the year, and must also include attendance at a seminar. For a minor subject for the degree of Master of Arts the attendance at a seminar is not required.

Similarly, a major subject for the degree of Doctor of Philosophy involves at least four hours per week, together with attendance at a seminar for two years (provided that this number of hours be offered in the subject), and a minor subject for the same degree involves two hours weekly in addition to the requirements for the degree of Master of Arts.

Under the Faculty of Philosophy

I Major Subjects: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. classical archæology and epigraphy; 8. Greek language and literature, and, incidentally, Grecian history; 9. Latin language and literature, and, incidentally, Roman history; and the following, *including in each case the study of both the language and the literature:* 10. English; 11. Germanic; 12. Romance; 13. Sanskrit (with Pālī) and Iranian; 14. Semitic; 15. Chinese. Nos. 1, 2, 3, 4, 6, 10, 11, 12, 13, 14, and 15 count each as the equivalent of a major and one minor subject.

II. Minor Subjects: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. Greek; 8. Greek archæology; 9. Latin; 10. Roman archæology; 11. Sanskrit; 12. Iranian; 13. English; 14. Anglo-Saxon; 15. Gothic; 16. Germanic philology; 17. German language and literature; 18. Scandinavian languages and literatures; 19. Romance philology; 20. French language and literature; 21. Spanish language and literature; 22. Italian language and literature; 23. Hebrew; 24. Arabic; 25. Assyrian; 26. Syriac; 27. Ethiopic; 28. Semitic epigraphy; 29. Turkish; 30. Armenian; 31. Chinese; 32. Coptic.

A candidate for the degree of Master of Arts or Doctor of Philosophy may, with the consent of the Dean of the Faculty concerned and of the professor in charge of his major subject, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject.

Under the Faculty of Pure Science

1. Anatomy; 2. astronomy; 3. bacteriology; 4. botany; 5. chemistry; 6. civil and sanitary engineering; 7. electrical engineering; 8. geodesy; 9. geology; 10. mathematics; 11. mechanical engineering; 12. mechanics and electro-mechanics; 13. metallurgy; 14. mineralogy; 15. mining; 16. palæontology; 17. physics; 18. physiological chemistry; 19. physiology; 20. zoölogy.

No two of the subjects selected may be in any one department, unless by previous consent of the Faculty. A minor subject may be taken in the same department as the major, but no two minors may be taken in the same department, unless the consent of the Faculty shall have first been obtained.

5. Each student is given a registration-book, which shall be signed by the professor or instructor in charge of each course of instruction or investigation at the beginning and end of the course. Before presenting himself for examination for any degree, the student shall submit his registration-book to the Dean of the Faculty in which his major subject lies in order that the Dean may satisfy himself that the required minimum number of courses has been attended.

6. (*a*) Students desiring to be examined for the degree of Master of

Arts, Master of Laws, or Doctor of Philosophy must make application to the Registrar of the University, on blanks provided by the University, on or before April 1 of the academic year in which the examination is desired.

(*b*) The Registrar thereupon shall notify the Deans of the Faculties concerned of the name of each such student, together with the subjects which he offers and the degree for which he is a candidate.

(*c*) The examination shall be held under the authority and direction of the several Deans.

(*d*) The results of such examinations shall be reported as soon as possible to the Registrar, who shall transmit to the Secretary of the University Council the complete record of each successful candidate.

7. Each candidate for the degree of Master of Arts, not later than May 1 of the academic year in which the examination is to take place, shall present an essay on some topic previously approved by the professor in charge of his major subject. The Faculty of Political Science requires this essay to be a paper read during the year before the seminar of which the candidate is a member.

When the essay has been approved, the candidate shall file with the Registrar two legibly written or typewritten copies on firm, strong paper, eleven by eight and a half inches in size with an inner margin of one and a half inches. The title page shall contain the words: "Submitted in partial fulfilment of the requirements for the Degree of Master of Arts, in the Faculty of ————, Columbia University."

8. Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the result of original investigation and research on some topic previously approved by the professor in charge of the major subject. When such dissertation has been approved by the said professor, it shall be printed by the candidate, under the direction of the Dean of the Faculty, and one hundred and fifty copies shall be delivered to the Registrar unless, for reasons of weight, a smaller number be accepted by special action of the University Council. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ————, Columbia University."

Each dissertation shall contain upon its title-page the full name of the author; the full title of the dissertation; the year of imprint, and, if a reprint, the title, volume, and pagination of the publication from which it was reprinted; and there shall be printed and appended to each dissertation a statement of the educational institutions that the author has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

All dissertations for the degree of Doctor of Philosophy must be submitted for approval not later than April 1 of the academic year in which examination is desired.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages, but not on the dissertation itself, may be held before the printed dissertation is submitted.

In the Faculties of Philosophy and Pure Science, the dissertation is not required to be printed until after the examination of the candidate.

The Faculty of Pure Science requires the dissertation to be printed in the size and form of the Annals, or the Memoirs, of the New York Academy of Sciences, according to the nature of the subject.

9. No candidate for the degree of Doctor of Philosophy is admitted to examination except on the recommendation of the professor who has approved the topic selected for the dissertation, indorsed by the professors in charge of the major and minor subjects. Every candidate must pass, besides such other examinations as the Faculty in charge of the major subject may require, an oral examination on all three subjects, and must defend the dissertation in the presence of that Faculty, or of so many of its members as may desire or as may be designated to attend.

The general examination for the degree of Doctor of Philosophy will not be confined to the courses which the candidate has attended in Columbia University or elsewhere, nor even to the field covered by such courses. The candidate is expected to show a satisfactory grasp of his major subject as a whole and a general acquaintance with the broader field of knowledge of which this subject forms a part.

The ability to read at sight French and German, to be certified in each case by the Dean of the Faculty concerned, is required by all the Faculties.

In the Faculty of Political Science, the candidate must also show that he is able to read ordinary Latin, unless it shall have been previously certified by the professor, or professors, in charge of the major subject that ability to use this language is not necessary for the proper prosecution of the candidate's researches. On application to the Dean, the candidate may be examined on the required languages one year before presenting himself for the general examination on his major and minor subjects. If no such application be made, he will be examined on the languages in connection with the general examination on these subjects.

In the Faculty of Philosophy, admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie; (2) are certified

as to their ability to read French and German by the heads of those departments; (3) are certified as to their ability to read Latin by the head of that department, provided that students whose major subject is psychology, anthropology, or education, shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches. The examinations in Latin, French, and German shall be passed at least one academic year before the candidate presents himself for the degree.

10. Students holding the required first degree who are primarily registered in a professional school of Columbia University, or in an allied professional school, may be registered as candidates for the higher degrees in the Faculty of Political Science, the Faculty of Philosophy, or the Faculty of Pure Science. In such a case the candidate must take his major subject under one of these Faculties, and must conform to all its rules as regards examinations, essay and dissertation; but he may offer, as the equivalent of the two minor subjects, such of his professional courses as may be approved for that purpose by the Dean of the faculty under which the major subject is taken and by the Committee on Higher Degrees.

11. No student shall continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the time he ceases to be in residence, nor for a longer period than six years from the time of his initial registration for a higher degree.

Master of Laws

1. Any student who has satisfactorily completed 94 points including all prescribed work in Columbia College, to the close of the junior year, or in some other college maintaining an equivalent curriculum (every such case of equivalency to be considered on its own merit), shall be entitled to be recommended for the degree of Master of Laws upon certificates from the Faculty of Law and the Faculty of Political Science that he has satisfactorily completed a four-years' course of study under said Faculties.

2. Every candidate for the degree of Master of Laws most elect from the subjects offered by said Faculties courses aggregating, in the four years, fifty-two hours per week, and must pass satisfactory examinations upon the subjects elected; provided that not more than thirty-four hours of work may be elected either in the field of private law, or in that of public law, social ethics, history, and economics.

3. Students, otherwise qualified, who have received the degree of Bachelor of Laws from this University after pursuing the full course of study, shall be entitled, upon pursuing for an additional year a course of study of at least thirteen hours per week, under either or both of said Faculties, and passing satisfactory examinations therein, to receive the

degree of Master of Laws; provided that no student shall receive the degree who has not studied and passed satisfactory examinations in comparative constitutional law, administrative law, Roman law, international law, and in the three courses offered on equity,* and who has not pursued here, or elsewhere, courses of instruction satisfactory to the Faculty of Political Science in history, social ethics, and economics.

4. Each Faculty shall determine the order in which the subjects offered by it shall be taken, and the maximum amount of work to be done therein during any one year.

5. Students from other universities, colleges, or law schools, who shall have satisfactorily completed a course of study equivalent to at least one term of thirteen hours per week in the subjects indicated in Section 2, after receiving a bachelor's degree, may be excused from the corresponding number of terms of the four-years' residence required at Columbia, provided that in no case shall any one receive the degree of Master of Laws who has not spent at least four years in the study of the said subject in some university, college, or law school; and the decision whether work at another institution shall be accepted as equivalent to work at Columbia shall rest, so far as the studies under the Faculty of Law are concerned, with the Faculty of Law, and, so far as the studies under the Faculty of Political Science are concerned, with the Faculty of Political Science. But neither Faculty shall admit a student from another university, college, or law school to examination for the degree of Master of Laws without a residence of at least one year in this University.

* Under this provision students would be allowed, but not required, to take history of European law, conflicts of law, law of municipal corporations, and the law of taxation.

COLUMBIA COLLEGE

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Ex-Officio Members of the University Council

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On Admissions: Professors McCrea, *chairman*, Odell, Hervey, Mitchell, Tufts

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On Honors: Professors Fiske, *chairman*, Seager, Shepherd

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WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D....*Seth Low Professor of History*
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NELSON GLENN MCCREA, Ph.D.....*Professor of Latin*
CLARENCE H. YOUNG, Ph.D.....*Professor of Greek*
JAMES MACLAY, Ph.D.....*Professor of Mathematics*
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LOUIS AUGUSTE LOISEAUX, B.S.....*Adjunct Professor of the Romance Languages and Literatures*
WILLIAM ADDISON HERVEY, A.M....*Adjunct Professor of the Germanic Languages and Literatures*
RUDOLF TOMBO, Jr., Ph.D.....*Adjunct Professor of the Germanic Languages and Literatures*
GEORGE N. OLCOTT, Ph.D.....*Adjunct Professor of Latin*
JOHN DEWEY, Ph.D., LL.D.....*Professor of Philosophy*
WILLIAM R. SHEPHERD, Ph.D.....*Adjunct Professor of History*
FRANK L. TUFTS, Ph.D.....*Adjunct Professor of Physics*
JAMES T. SHOTWELL, Ph.D..... *Adjunct Professor of History*
GEORGE W. BOTSFORD, Ph.D.....*Adjunct Professor of History*
HENRY B. MITCHELL, A.M.....*Adjunct Professor of Mathematics*

ADMISSION

Candidates are admitted by the Committee on Admissions under the following regulations:

Except for reasons of weight, candidates for admission to the Freshman class must be at least fifteen years of age at the time of matriculation, and correspondingly older for admission to advanced standing. Each candidate must before admission present a certificate of good moral character from his last teacher or from some citizen of good standing. Students from other colleges or universities must bring certificates of honorable dismission.

All requests for information regarding admission should be addressed to the Secretary of the University.

To the Freshman Class

Every candidate must offer at the entrance examinations (see below) subjects amounting to fifteen "points." The point here represents the number of years, at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

The candidate *must* offer

	COUNTING IN POINTS
English	3
Elementary Mathematics	3
and in the case of candidates for the A.B. degree	
Elementary Latin	4

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering either at the same time or earlier the corresponding elementary subject:

Elementary Greek	3
Elementary History	2
Drawing	1
Music	1
Intermediate French	1
Intermediate German	1
Advanced English	1
Advanced Greek	1
Advanced History	1
Advanced Latin	1
Advanced Mathematics	1
Advanced Physics	1
and in the case of candidates for the B.S. degree	
Elementary Latin (See note, page 166)	4 or 2

The candidate may offer not more than 4 points in all from the four subjects following:

Elementary French	2
Elementary German	2
Italian	2
Spanish	2

The candidate may offer not more than 3 points in all from the six subjects following:

Elementary Physics	1
Chemistry	1
Botany	1
Physiography	1
Shopwork	1
Zoölogy	1

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see page 152.

Acceptance of Certificates

Columbia College accepts, in lieu of its entrance examinations, no credentials of any sort except the Regents' Academic Diploma (for details see the *Announcement of Columbia College*) and the certificates of approved colleges, and these only for the subjects which they specifically cover. Certificates of the preparatory or high-school departments of universities and colleges are not accepted.

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

All certificates so offered must be received by the College Committee on Admissions at least two weeks before the first day of the entrance examinations.

To Advanced Standing

Candidates for admission to advanced standing upon the basis of certificates from other colleges must fill out the appropriate application blank, to be obtained from the Secretary of the University, and file it with the Committee on Admissions one week before the first day of the September or January entrance examinations. Each candidate must also present, at that time, an official transcript of his academic record, together with a marked catalogue of the institution that he leaves.

Candidates for admission to the Freshman class offering for entrance more than the required 15 points receive credit for this extra work toward a degree, on a basis to be determined by the Committee on Admissions; but not more than 18 of the 124 points required for a degree may be made in this way.

To Special Courses

Special courses are offered to young men of good character, at least eighteen years of age, who wish without reference to any degree to make a serious study of any subject or group of subjects. Such men are designated "non-matriculated students," and are expected to fulfil the requirements for admission to the Freshman class (see page 185). Applications must be made, on blanks to be obtained from the Secretary of the University, at least two weeks before the entrance examinations begin.

Except for reasons of weight no one will be admitted as a special student, who, within ten months of the time of his application, has been refused admission, or has failed in his work, as a candidate for a degree.

Persons who wish to pursue merely elementary subjects, such as may be offered for admission, are not received as non-matriculated students.

Applications from men of maturity who have been several years out of school or college, and have had a valuable educative experience in practical life, will be considered on their merits.

On Probation

Every Freshman admitted conditionally will be held under probation during the first half-year of residence. Not later than the end of this period, the Dean, on the basis of reports from the head of each department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark C, B, or A, obtained in any subject at the end of the first half-year of residence, will be regarded as removing an entrance condition in that subject, unless the condition was incurred in a part of the subject not directly involved in the work of the college course.

Registration and Fees

(See page 25)

Scholarships

(See table of Contents.)

THE PROGRAM OF STUDIES

The time within which a curriculum, leading to the degree of Bachelor of Arts, or Bachelor of Science, may be completed varies with the capability and industry of the individual student. In most cases,

perhaps, four years will be spent in making the required number of points; students of ability and industry may complete the course in three years, or conceivably in even less time, especially if advantage be taken of courses in the Summer Session, or additional credit be gained by high standing; but no student may spend more than six years as a candidate for a degree.

The principles of the program of studies are as follows:

1. The requirement for graduation is 124 points, the term "point" signifying the satisfactory completion of work requiring attendance one hour a week for one half-year.

2. Studies are either "prescribed," *i. e.*, obligatory upon all candidates for degrees; or "elective," *i. e.*, to be taken (with certain restrictions) at the pleasure of the student.

3. Prescribed studies must be taken as far as practicable during the first two years of residence; and subjects taken in College which are continuations of subjects offered at entrance must be taken as far as possible in the first year.

4. Other courses than those specified under each half-year may be taken by students qualified to pursue them with advantage, but in every case only with the consent of the Dean.

5. No combination of courses amounting to less than 12 or more than 19 points may be made in any half-year without the consent of the Dean.

6. At least 9 points, exclusive of prescribed work, must be made under some one department before graduation.

7. Admission to courses depends strictly upon completion of the pre-requisites as stated for each course separately. Where no pre-requisite is stated the course may be taken and counted for a degree by any student of the College.

8. To be recommended for a degree, a student must have made at least 84 points in actual college residence, and of these at least 24 in Columbia College. (The Faculty has power to suspend this rule in individual cases; but a Statute of the University forbids the granting of a degree to any person who has not been a member of the University for a full academic year, *i. e.*, two half-years.)

Prescribed Courses

Unless the equivalents have been offered for admission, the following courses are prescribed:

	COUNTING IN POINTS
English A and B	10
French A and B, *or* German A and B	6
History A	6
Latin A (required only of candidates for A.B. degree	6

Mathematics A 6
Philosophy A 6
Physical Education A and B 4
Natural Science A (elementary Chemistry and elementary Physics) 8
Botany, Chemistry, Geology, Physics, Psychology (Experimental), *or* Zoölogy: two half-year courses (required only of candidates for A.B. degree) 6
Anthropology, Astronomy, Botany, Chemistry, Geology (including Mineralogy), Mathematics, Mechanics, Physics, Psychology, or Zoölogy: four half-year courses in one or more of these subjects, in all (required only of candidates for B.S. degree) 12

Options in the Professional Schools

The following provisions apply alike to all candidates for a degree:

When 72 points (including all prescribed work) have been made in Columbia College, a student who wishes to enter upon his professional studies before graduation from the College, may exercise one of the following options:

(*a*) He may take the studies of the First Year of the Schools of Mines, Chemistry, and Engineering (unless he is able to gain advanced standing in one of those schools), provided the courses previously taken by him fulfil the requirements for admission to those schools; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

(*b*) He may take the studies of the First Year of the College of Physicians and Surgeons, provided he has previously taken in college at least one course in Chemistry, one in Physics, and one in Zoölogy; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in this professional course.

(*c*) He may take the studies of the First Year of the professional course of Teachers College; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in this professional course.

(*d*) He may take the studies of the First Year in the School of Fine Arts, provided the courses previously taken by him fulfil the requirements for admission to that school; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

When 94 points (including all prescribed work) have been made, and of these not less than 72 in Columbia College, the student may take the studies of the First Year of the School of Law; and may receive the degree of A.B. or B.S. upon the satisfactory completion of one year's work in this professional course.

The professional schools of the University strongly recommend students to take advantage of the opportunity here given for preliminary training. For particulars as to these several options the announcement of the proper professional school should be consulted.

A student who exercises any one of the options here mentioned continues to be a student of Columbia College and subject to the authority of its Dean, as long as he remains a candidate for the College degree.

Additional Credit for High Standing

At the end of every half-year additional credit for high standing is given as follows:

The mark A in any two courses (no course being counted twice) entitles the student to one point of extra credit, provided he has not fallen below the mark B in any of the courses pursued by him during the half-year.

Any student who is credited with 94 points (including all prescribed work) may receive one point of extra credit for each of two courses chosen from among those offered by any single department as counting toward a higher degree (see page 176), provided the quality of his work in such course be tested by an essay for which a mark of A or B is given, in addition to the stated examinations. No student may receive more than one point of extra credit in one half-year under the terms of this rule.

The Announcement of Columbia College gives specific examples of the operations of these regulations.

Choice of Electives

For recommendations in regard to the choice of elective studies, the reader is referred to the *Announcement of Columbia College* for 1906–07.

Examinations in Course

Two examinations are held every year in all courses, one beginning on the last Wednesday but one of the first half-year (January 23, 1907), and the other on the Wednesday of the third week preceding Commencement (May 22, 1907). These, and these only, are the *stated examinations*.

No student who has been absent from more than ten per cent. of the exercises in any course during a single half-year is entitled to attend the stated examination in that course. Each instance of tardiness is counted as half an absence.

Should a student not exceed the limit of absence allowed, no explanation of any of his absences is required: should he exceed the limit allowed in any course, he is debarred from the stated examina-

tion in that course, and can attend it only by consent of the Dean, given after written explanation to him of every absence.

Every student is expected and required to keep an account of his absences, and any satisfactory explanation of them must be from records made at the times of their occurrence, and for dates noted by the student himself and not obtained by him from the instructor in charge.

For the regulations as to the taking of special examinations, which include delinquent examinations, see the separately printed *Announcement of Columbia College* for 1906–07.

Grades and Credit

A student who receives a mark of F in any prescribed course must repeat that course; in any course not prescribed he may present himself for re-examination at the stated time but on passing such examination he may receive only a mark of D. In either case, however, if the mark of F was given by reason of absence from examination resulting from illness or other unavoidable cause, he may be examined by permission of the Dean and marked as though he had attended the regular examination.

In any half-year not more than one course, whether prescribed or elective, in which the student is marked D, may be counted toward a degree. Of several courses in which he is marked D he may choose the one to be so counted. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the half-year in which that course is given.

HONORS

Departmental

Honors are of three kinds: departmental, divisional, and general.

Departmental honors will be granted in any year in any department for high excellence, indicated by the grade A obtained in courses aggregating at least six points, and by the satisfactory performance of additional assigned work. Students must announce their candidacy to the head of the department not later than the first of April of the year of candidacy.

Except by special decision of the Committee on Honors, no student falling below C in any course taken by him during the year of candidacy will receive honors.

A student who has won honors in any department successively during the last three years of his college residence will be granted at graduation highest final honors in that department.

On completion of the number of points required for a degree students whose curriculum has been under the direction of some one

Division may be recommended to the Faculty by that Division for final honors in such subjects as the Division may specify.

General

General honors will be granted at the end of every academic year to all students who during that year have obtained grade A in the majority of the courses taken by them, provided they have not fallen below grade B in any course in that year.

Highest final general honors will be granted at graduation to all students who have obtained grade A in the majority of the courses taken by them during the last three years of college residence, provided they have not fallen below grade B in any course in those years.

REGISTER OF STUDENTS

Columbia College

CANDIDATES FOR GRADUATION IN

1907

AMES, CLAIR ELWOOD.....New York City
APLINGTON, HORACE THURBER.....New York City
BANGSER, ADOLPH.....Lebanon, Pa.
BAUM, PHILIP ..... New York City
BECKINGHAM, DANIEL FRANCIS.....New York City
BELL, HAROLD KENNEDY.....New York City
BERKOWITZ, LOUIS ..... New York City
BETJEMANN, HENRY CARL.....New York City
BIERMAN, HENRY..... New York City
BISCH, LOUIS EDWARD.....New York City
BLUMBERG, HARRY..... New York City
BOLLES, FREDERICK NATHAN.....Newark, N. J.
BRENNAN, WALTER JOSEPH.....New York City
BRODIX, CHARLES RAYMOND, JR..... New York City
BRODIX, JOHN WEEDMAN ..... New York City
CAMPBELL, BERNARD ..... New York City
CARPENTER, WILLIAM MORGAN..... New York City
CHAPIN, HENRY EAGLE ..... New York City
CHODOROV, FRANK ..... New York City
COLLINS, EDWARD T.....Tarrytown, N. Y.
COLLINS, KENNETH BENEDICT ..... New York City
COMBES, ABBOTT CARSON, JR..... New York City
COMSTOCK, GEORGE FREDERICK.....Keene Valley, N. Y.
CONREID, RICHARD G.....New York City
COWEN, ARTHUR ..... New York City
DICKEY, FRANK A.....New York City
DOERNBERG, WALTER S..... New York City
EASTMAN, HENRY WESTERN.....Roslyn, N. Y.
EDELSTEIN, ELIAS ALEXANDER.....New York City
EGAN, JOSEPH LEO ..... New York City
EGBERT, HARRY DREW ..... New York City
ELLENBOGEN, MAURICE GEORGE.....Troy, N. Y.
FISCHER, EMIL E..... New York City
FLANIGAN, WILL ADAMS..... New York City
FORSCH, HERBERT ..... New York City
FUCHS, SAMUEL ALEXANDER..... New York City
GORDON, PERCY ADOLPHUS.....Guttenberg, N. J.
HAIGHT, JOHN MCVICTOR.....Garrison, N. Y.
HALL, FRANK CLARK.....Virginia City, Mon.
HARRINGTON, MARK RAYMOND ..... Millneck, N. Y.
HARTMAN, WALTER.....New York City

Haskell, Robert Henry.....Portland, Me.
Hawes, Lewis French Stearns..... New Rochelle, N. Y.
Henes, Edwin, J.R..... New York City
Hetherington, Ferris Sands..... New York City
Himelhoch, Israel ..... Caro, Mich.
Hollister, Samuel Thomson.....New York City
Holter, Paul Charles Henry.....Jersey City, N. J.
Hopkins, Frank Louison.....Yonkers, N. Y.
Hopping, Allen Tilton.....New York City
Jabine, William..... Yonkers, N. Y.
Jackson, Charles Frederick Havemeyer.....New York City
Keller, William B., Jr.....New York City
Kelley, Walter Edward.....New York City
Kirk, Edwin.....New York City
Kohlberg, Herbert Sidney.....El Paso, Texas
Levy, Arthur Saul, Jr.....New York City
Levy Bertram.....New York City
Lewine, Hiram Sidney..... New York City
Liebler, Theodore August, Jr..... Riverside, Conn.
McCall, John Francis.....New York City
McCarthy, Theodore.....New York City
McKinley, Charles Miles.....Tenafly, N. J.
Martland, Ralph .....Newark, N. J.
Masterton, Robert Coolidge.....New York City
Miller, Donald Herbert Truesdell.....Binghamton, N. Y.
Miller, Robert M.....New York City
Miller, Sandford Lawrence.....Linlithgo, N. Y.
Minkin, Jacob.....New York City
Mitchell, Cornelius von Erden.....New York City
Mitchell, William Spingler.....New York City
Mori, Victor William.....New York City
Norris, George.....New York City
Ottenberg, Irving S.....New York City
Palmbland, Harry Victor Emmanuel.....New York City
Palmer, William Grant.....Mt. Vernon, N. Y.
Parks, James Lewis, Jr.....New York City
Perrine, Harold.....New York City
Pierrepont, Seth Low.....New York City
Randolph, Frederic Cozzens Fitz.....New York City
Raphael, Angus Matthew.....New York City
Reaney, George Humes..... New York City
Reges, Charles Henry..... New York City
Ridder, Joseph Edward.. .....New York City
Rosenblatt, Bernard Abraham..... New York City
Samuels, Abraham Bertram.....New York City
Schermerhorn, John Egmont, Jr.....New York City
Schreiber, William..... New York City
Schwarz, Walter Max.....New York City
Selig, Samson.....New York City
Shapinsky, Alvin Theodore.....Louisville, Ky.
Shapero, Reuben.....Cleveland, Ohio
Snyder, Thomas Elliott .....New York City
Solomon, Michael.....New York City
Spencer, Charles Burr.....New York City
Steinfeld, Albert.....New York City
Swords, Albert Twombly.....New York City
Tachna, Max.....New York City

TAYLOR, JOHN H. ..... New York City
THOMSSEN, EDGAR GEORGE ..... Rochester, N. Y.
VEHSLAGE, HAROLD EDWIN ..... New York City
WALBRIDGE, DUDLEY HUNT ..... New York City
WEBB, CAROLUS ROE ..... Glen Ridge, N. J.
WECHSLER, LAWRENCE ALBERT ..... New York City
WELLES, FRANK CORDAY ..... New York City
WICKE, CARL ..... New York City
WISE, BYRD DOUGLAS ..... New York City
WOLF, LEONARD JAMES ..... New York City
WOLFF, LOUIS JACOB ..... New York City
YORK, JOHN CARL ..... Alliance, Ohio
ZONS, FREDERICK WILLIAM ..... New York City

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ALEXANDER, TOM MACKENZIE ..... New York City
ALLEN, WILLIAM HENRY, JR. ..... New York City
BAGLEY, GEORGE JARDINE ..... Rahway, N. J.
BAGNELL, ROBERT HAROLD ..... New York City
BANKS, HAROLD PURDY ..... New York City
BASSETT, EARL JULIAN ..... Rockville Center, N. Y.
BENSON, SAMUEL CRANSTON ..... Brooklyn, Iowa
BERLINER, LEE HERBERT ..... New York City
BESSIE, ABRAHAM ..... Wahpeton, N. D.
BIJUR, HARRY ..... New York City
BILLINGSLEY, PAUL ..... New York City
BLOCK, MAX ..... New York City
BLOOM, ISIDORE ..... Toronto, Ontario, Can.
BONNLANDER, VINCENT CHARLES ..... New York City
BOORMAN, KITCHELL MONCKTON ..... New York City
BORCHARDT, EDWIN MONTEFIORE, LL.B., N. Y. Law School, 1905 ..... New York City
BRADY, WILLIAM GAGE, JR. ..... New York City
BRAININ, CLEMENT S. ..... New York City
BRANDLEY, WALTER GEORGE ..... Newark, N. J.
BRONSON, BARNARD SAWYER ..... Holly, N. Y.
BULL, GEORGE H. ..... New York City
CASSETTA, DOMINICK ..... New York City
CELLA, CARLO DOMENICO ..... Hoboken, N. J.
CHENEY, CLARENCE ORION ..... New York City
COHN, MICHAEL MARTIN ..... Buffalo, N. Y.
COHN, WALTER WILLIAM ..... Buffalo, N. Y.
COMSTOCK, MILES CHESTER ..... Utica, N. Y.
CONTENT, HAROLD AUGUSTUS ..... New York City
COPELAND, RALPH ..... New York City
CRANE, THEODORE HUBERT ..... Yonkers, N. Y.
CUTTING, VICTOR WILLARD ..... New York City
DEMAREST, IRVING COMES ..... Hackensack, N. J.
DEVLIN, FRANK BRAITHWAITE ..... New York City
DONOHUE, JAMES HENRY, JR. ..... New York City
EASTMAN, WILLIAM ..... Roslyn, N. Y.
EPSTEIN, MAURICE ..... New York City
FEIGENBAUM, WILLIAM NORRIS ..... New York City
FISCHER, PHILIP ARTHUR ..... New York City
FISH, HARRY POTTER ..... New York City
FOWLER, HAROLD ..... New York City

Frölich, Louis D.....New York City
Gilbert George Frederick.....Madison, N. J.
Goldblatt, Harold Milton.....New York City
Goodman, Edward.....New York City
Griffin, Ernest Freeland.....Tarrytown, N. Y.
Guggenheim, Edmond A.....New York City
Hagemann, Robert Herman, Jr.....New York City
Harlam, Elwood Julius.....New York City
Harrisson, Lester.....New York City
Hauser, John Odell.....New York City
Herrmann. Alfred.....New York City
Herts, B. Russell.....New York City
Herzfeld, Melvin Gustav.....New York City
Higgins, Fremont Amasa.....New York City
Holtzoff, Alexander.....New York City
Hoyt, Nathaniel Stanislaus.....New York City
Jacques, George Washington, Jr.....Elizabeth, N. J.
Jones, Glen Gibson.....Wakeeney, Kan.
Kellogg, William Alvin, Jr.....New York City
Kilmer, Alfred Joyce.....New Brunswick, N. J.
Kobbe, Frederick William.....New York City
Lau, Robert Frederick.....New York City
Lee, Arthur M., Jr.....Bloomfield, N. J.
Leuchs, Frederick Adolph Herman.....New York City
Lewis, Leicester Crosby.....New York City
Lichter, Benjamin Abraham.....Pittsburg, Pa.
Lobeck, Albert Ernst.....Haworth, N. J.
McElwee, Roy Samuel.....Berlin, Germany
Mabee, Winfred Scribner.....Paterson, N. J.
Mackenzie, George Miner.....Dobbs Ferry, N. Y.
MacGreevy, William John.....New York City
Marshall, Chester Columbus.....Corapolis, Pa.
Marshall, Robert Palmer.....New York City
Mayer, Charles.....New York City
Miller, Hyman Rudolph.....New York City
Mockridge, Ralph Whitney.....New York City
Montgomery, Austin Philip.....New York City
Murphy, William Deacon.....New York City
Murray, Theodore Roosevelt.....New York City
Negus, John Clement.....New York City
Olinger, Henry Cæsar.....New York City
O'Mahoney, Joseph Christopher.....New York City
Osterout, William Burgess.....Freeport, N. Y.
Otis, Arthur Hamilton.....New York City
Palmer, Harold.....New York City
Pease, Alan Warren.....New York City
Perling, Joseph.....New York City
Poll, Daniel.....New York City
Porter, Edward Evelyn.....New York City
Prall, John Goldsmith.....New York City
Prince, James Frederick.....Yonkers, N. Y.
Riegel, Harry.....New York City
Rindge, Fred Hamilton, Jr.....New York City
Robie, Marshall.....Oradell, N. J.
Rolker, Charles M., Jr.....New York City
Romagna, Anthony Jesse.....New York City
Rose, Walter Joseph.....New York City

ROSENBAUM, EDWIN JOSEPH.....Portsmouth, Va.
ROSENBLATT, FRANK.....New York City
ROTHSCHILD, MARCUS A.....New York City
ROUSE, EDWARD CURTIS.....East Orange, N. J.
SALES, GROVER GRAUMAN.....Louisville, Ky.
SCHONBERG, MAX.....New York City
SHACK, SAMUEL M.....New York City
SHIMMON, AGHASIE SAMUEL.....Gogtapa, Persia
SKUTCH, IRA.....New York City
SLOANE, JOHN EYRE.....South Orange, N. J.
SNEVILY, HENRY MANSFIELD.....New York City
STAYTON, JACOB WINFORD.....Yonkers, N. Y.
STOCK, JOHN WALTER.....New York City
SWARTWOUT, FRANK ROBERT.....Scarsdale, N. Y.
TOWNSEND, EDWARD BENJAMIN.....New York City
TUCHMANN, AARON.....New York City
VAN TINE, ADDISON ALLEN.....New York City
WALSH, CHARLES JOSEPH.....New York City
WARDELL, WINFIELD SCOTT, JR.....Orange, N. J.
WARE, FOSTER.....New York City
WEAVER, PAUL.....New York City
WEINIG, ANTHONY JOSEPH.....New York City
WHEELER, JOHN NEVILLE.....Yonkers, N. Y.
WINCHELL, CLARENCE EDWARD.....West Orange, N. J.
WINDELS, PAUL WILLIAM HENRY.....New York City
WISE, LOUIS ELSBERG.....New York City
WOARMS, EDWIN HESS.....New York City
WOLFERZ, LOUIS ERNST.....New York City
WOOD, JAMES MACDONALD, JR.....New York City
WOOD, WILLIAM LAWRENCE.....New York City
WOODBURY, WALTER BLIGH.....Oneida, N. Y.

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ALEXANDER, ARTHUR DOUGLAS.....New York City
ALLERMAN, JACOB.....New York City
APPEL, ALEXANDER.....New York City
ARMSTRONG, DONALD.....New York City
BACH, RICHARD FRANK.....New York City
BARAGWANATH, JOHN GORDON.....New York City
BARBER, W. HOWARD.....New York City
BARNEKOV, JEFFERSON KEEL.....New York City
BARTOW, LATHROP.....New York City
BAUCHLE, THOMAS HENRY, JR.....New York City
BAUM, ALBERT LOUIS.....New York City
BERG, HUNTER VAN BEIL.....New York City
BISHOP, FRANK WARNER.....New York City
BISSELL, PELHAM ST. GEORGE, JR.....Freeport, N. Y.
BLINN, OSCAR SAMUEL.....New York City
BLOOM, ISADORE.....New York City
BRAINERD, HARRY BEARDSLEE.....New York City
BREITENFELD, EMIL.....New York City
BROWN, LOUIS ALEXANDER.....New York City
BROWN, WILLIAM HORI, JR.....New York City
CANE, WILLIAM GOODMAN.....New York City
CARPENTER, RHYS.....New York City
CARROLL, CHARLES RIVERS.....Mt. Vernon, N. Y.

CHANALIS, MICHAEL NELSON ..... New York City
CHILD, ANDREW M., JR ..... New York City
COBB, JAMES LIVINGSTON ..... New York City
COHEN, HYMAN ..... New York City
COHEN, IRA ..... New York City
COHN-MCMASTER, ALBERT MARIAN ..... New York City
COLEMAN, MCALLISTER ..... New York City
COMPTON, GEORGE BROKAW ..... Interlaken, N. Y.
CORBETT, JOSEPH SIEBERT ..... New York City
CRIADO, ROGER FERNANDEZ ..... New York City
CULMAN, CARL WILLIAM ..... New York City
DAVIS, BENNETT ..... New York City
DEACY, WILLIAM HENRY ..... Ossining, N. Y
DROB, MAX ..... Pittsburg, Pa.
DURANT, DONALD ..... New York City
DWYER, CHARLES EUSTACE ..... New York City
EDGAR, GEORGE COLEMAN ..... New York City
EPSTEIN, LEWIS ..... New York City
FOWLER, ROBERT LUDLOW, JR ..... New York City
FOX, IRVING JOSEPH ..... New York City
FRASER, LEON ..... New York City
GIBSON, LEON WELLS ..... Newark, N. J.
GILLIES, JAMES ..... New York City
GOLDEN, HERMAN ..... New York City
GOLDSMITH, FREDERICK I ..... New York City
GOODWIN, GEORGE MUNRO ..... New York City
GRANT, EDWARD JOHN ..... New York City
GRAY, JAMES EAKINS ..... New York City
GREEN, FREDERIC WARREN ..... New York City
GRIFFIN, PERCY FRANK ..... New York City
GROSSMAN, JACOB BUONAPARTE ..... Weissport, Pa.
GUTMAN, MELVIN ..... New York City
HALSEY, RAYMOND DRAKE ..... Southampton, N. Y.
HANRAHAN, JOHN GEORGE, JR ..... New York City
HANSON, GEORGE CHRISTOPHER ..... New York City
HEIDELBERGER, MICHAEL ..... New York City
HERSHENSTIRN, CHARLES ..... Jersey City, N. J.
HERTS, HAROLD HENRY ..... London, England
HESS, MORTIMER HENRY ..... New York City
HINCK, CLAUS F., JR ..... Montclair, N. J.
JONES, CLARENCE RAY ..... Norway, N. Y.
KANTOR, JOHN LEONARD ..... New York City
KATZ, EDGAR JESSE ..... New York City
KAYSER, CARL EBERHARD ..... New York City
KELLY, EUGENE EDMUND ..... New York City
KENNEDY, CHARLES FREDERICK ..... New York City
KERLEY, JAMES HOYT ..... New York City
KIMBEL, WILLIAM ANTHONY ..... New York City
KOO, VI KYUIN WELLINGTON ..... Shanghai, China
KUDLICH, BRUNO RALPH ..... New York City
LATHAM, HAROLD STRONG ..... Arlington, N. J.
LEARY, DANIEL ..... New York City
LEVINE, OSCAR ..... New York City
LEVINTHAL, ISRAEL HERBERT ..... Philadelphia, Pa.
LEVISON, LUCIAN HARRY ..... New York City
LIEBOWITZ, SIDNEY ..... New York City
LIPPMANN, HERBERT MARKS ..... New York City

LODER, GEORGE EDWARD.....Port Chester, N. Y.
LOENING, GROVER CLEVELAND.....New York City
LOVEMAN, MICHAEL HEILPRIN.....New York City
LUHRS, IMMANUEL.....Jersey City, N. J.
MCCOUN, FREDERIC HEWLETT, JR.....New York City
MCLAURY, FRANK.....East Orange, N. J.
MACKENZIE, JAMES CAMERON, JR.....Dobbs Ferry, N. Y.
MANGAN, JOHN JOSEPH.....New York City
MARCUS, CHARLES LIONEL.....New York City
MEAD, FREDERICK STEARNS, JR.....Arlington, Mass.
MEHLER, LEO.....New York City
MELITZER, SAMUEL.....New York City
MELVILLE, JOHN WARD.....Setauket, N. Y.
MILKMAN, WALTER BERNARD.....New York City
MILLER, CHRISTOPHER BLACKBURN.....New York City
MOORE, WILLIAM FRANKLIN.....New York City
MORGAN, THOMAS CHARLES.....New York City
MORGAN, WENDELL RODERICK.....Oneonta, N. Y.
MOSES, ALFRED STAUNTON.....New York City
MOSS, ARTHUR BRUCE.....New York City
NAMMACK, CHARLES HALPIN.....New York City
NEUSTADT, RICHARD MITCHELS.....New York City
NIGHMAN, CLARE EDWIN.....Bayonne, N. J.
NORDEN, NORRIS LINDSAY.....New York City
NYE, BERTHOLD HINTZ.....Yonkers, N. Y.
OAKLEY, THOMAS POLLOCK.....Northport, N. Y.
O'CONNELL, JOHN JAMES, JR.....New York City
OGDEN, ALFRED.....New York City
PAUL, WINSTON ALEXANDER.....Jersey City, N. J.
PEARSE, CHARLES ALLEN.....New York City
PELL, WILLIAM HENRY DANNAT.....New York City
PEYSER, HERBERT.....New York City
PIEL, HENRY GOTTFRIED.....New York City
POLLOCK, WILLIAM DENTON.....New York City
PRICE, HICKMAN.....Seattle, Wash.
RAWLINGS, RUSSELL HERNDON.....New York City
REICHLING, GERARD ALSTON.....New York City
RICE, MARVIN.....New York City
ROGERS, GAILLARD SHERBURNE.....New York City
ROLLINS, WALTER EVERETT.....Minneapolis, Minn.
ROOME, JAMES POOLE.....New York City
ROTHSCHILD, LEOPOLD OPPER.....New York City
ROUX, WILLIAM CHARLES.....New York City
ROY, MALCOLM MILLER.....Irvington-on-Hudson, N. Y.
SALSBURY, NATHAN.....New York City
SALZANO, FRANCIS.....New York City
SAN LOUIS, JAMES.....Passaic, N. J.
SANDERS, BENTON.....New York City
SCHAAK, FRANK, JR.....Kansas City, Kas.
SCHAUL, JEROME SANDEL.....New York City
SCHERMERHORN, AMOS COTTING.....New York City
SCHMID, ALFRED R.....New York City
SCHULTZ, HAROLD SEELY.....Florida, N. Y.
SCOVIL, CHARLES BARKER.....New York City
SEGLIN, GEORGE MAX.....Bayonne, N. J.
SELLEW, WELLES HAMILTON.....New York City
SIMON, CHRISTIAN CORNELIUS.....New York City

SKINNER, HERBERT CALVIN.....New York City
SMITH, MARTIN DE FOREST..... Kingston, N. Y.
SMITHERS, FIDENCIO.....New York City
SMYTHE, RICHARD HAVILAND.....New York City
STEINER, JOSEPH.....Newark, N. J
STEINMETZ, FREDERICK CHARLES.....New York City
STRASBURGER, ALFRED.....New York City
STREETER, DANIEL DENISON, JR.....New York City
TAYLOR, FREDERICK REUTER.....Worcester, Mass.
TAYLOR, HAROLD WILLIAMS.....Beverly, N. J.
TORTORA, ALBERT.....New York City
TRIPP, WILLIAM ARTHUR.....New York City
TURPIN, ALBERT ERNEST.....New York City
TUTHILL, BURNET CORWIN.....New York City
WATSON, MORGAN DIX.....New York City
WEINSTEIN, DAVID.....New York City
WILLIS, BENJAMIN.....New York City
WOLFSOHN, EDWARD JOSEPH.....New York City

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AMIDON, DAVID EUGENE.....Corry, Pa.
ASCHNER, PAUL WILLIAM..... New York City
ASHTON, MILLARD HANCOCK .....New York City
BANGS, FRANCIS NATHAN..... New York City
BARNUM, RAY FOSTER.....White Plains, N. Y.
BAROFF, ABRAHAM.....New York City
BARRETT, PAUL SYDNEY.....New York City
BATES, STANLEY EDWARDS.....Plainfield, N. J.
BATT, RAYMOND MICHAEL.....North Tonawanda, N. Y.
BEARD, JAMES THOM., JR.....Scranton, Pa.
BELINKOFF, SAMUEL.....Bayonne, N. J.
BELL, WILEY ALEXANDER, JR.....New York City
BENZIES, JOHN RALPH ADAMS.....Cleveland, O.
BERINSTEIN, BENJAMIN.....Rochester, N. Y.
BLABER, JOSEPH THOMAS.....New York City
BRENNER, MORTIMER.....New York City
BRITTAIN, JOHN BENJAMIN.....Yonkers, N. Y.
BUCKISCH, WALTER GERARD MARTIN.....New York City
CARDOZO, SIDNEY BENJAMIN.....New York City
CELLER, EMANUEL.....New York City
CHAFEE, THOMAS BARTON.....Portchester, N. Y.
CHAPIN, JAMES PAUL.....New York City
CLARK, CLARENCE MILTON.....Bradford, Pa.
COHEN, JOSEPH HERTZ.....New York City
COHEN, SAMUEL MEYER.....New York City
COHN, BERNARD LAMAR.....Memphis, Tenn.
CONGER, ASHLEY D.....New York City
COON, JOSEPH ANDREWS .....New York City
COOPER, FREDERICK STURGES.....Mt. Vernon, O.
CRONYN, GEORGE W.....New York City
CROUZE, ALBERT PIERRE.....New York City
CUTLER, CONDICT WALKER, JR.....New York City
DANFORTH, CHARLES RYLE .....New York City
DEANE, EDWARD RUSSELL.....New York City
DOREMUS, MORTON BRINCKERHOFF.....Mt. Vernon, N. Y.
DUNCAN, MCKEE.....Pelham Manor, N. Y.
EADIE, ARCHIBALD ROBERT.....New York City

ELSASSER, FREDERICK RALPH.....New York City
ENGLEHART, JEFFREY HELLER.....New York City
EPSTEIN, ALBERT.....New York City
EPSTEIN, BERNARD.....New York City
ERSKINE, ROBERT SCARBOROUGH.....New York City
FAIRBAIRN, ROBERT LE FEVRE.....New York City
FINLEY, CECIL JOHNSTON.....New York City
FLEISCHMAN, LEON S.....New York City
FORCE, JONATHAN, JR.....Livingston, N. J.
FORTINASH, PASCAL JOSEPH.....New York City
FRERICHS, ERNEST VIVIAN.....New York City
GANNON, THOMAS ALBERT.....New York City
DE GARMENDIA, GONZALO DE CORDOVA.....Tuscarora, Md.
GIBSON, VAN RENSSELAER.....Yonkers, N. Y.
GINSBURG, JOSEPH GEORGE.....New York City
GOLDBERG, GEORGE.....New York City
GOODMAN, SYDNEY LION.....New York City
GUNTHER, ARTHUR.....New York City
HAINES, FRANKLIN MIFFLIN.....Yonkers, N. Y.
HALDENSTEIN, SAMUEL PHILIP.....New York City
HART, NEVILLE BRADFORD.....New York City
HEALY, THOMAS FRANCIS.....New York City
HEARD, WALTER SCOTT.....New Orleans, La.
HENDERSON, HAROLD GOULD, JR.....New York City
HILL, DUDLEIGH.....New York City
HINMAN, EDWARD, JR.....New York City
HOCHBERGER, OSCAR.....New York City
HOLTHAUSEN, WALTER H.....New York City
HÜTTLINGER, CARL FRITZ.....New York City
JOERG, ALFRED NORTON.....New York City
JONES, JOHN DOTHA.....New York City
KIENDL, THEODORE, JR.....New York City
KING, THOMAS EDWARD.....New York City
KIRBY, RUSSELL THORP.....New York City
KISTLER, LLOYD GREGORY.....New York City
KLEIN, LEONARD.....New York City
KLEPETKO, ERNEST.....New York City
KRAFT, PHILIP HENRY.....New York City
KROEGER, HERBERT BENJAMIN.....New York City
KRONMAN, DAVID EDWARD.....New York City
LANGER, WILLIAM.....Casselton, N. D.
LAPOLLA, GARIBALDI MARIO.....Mamaroneck, N. Y.
LENT, JOHN ROSSITTER.....New York City
LIEBMAN, LESTER MYRON.....New York City
LIVINGSTON, WILLIAM SMITH.....New York City
LLOYD, LLEWELLYN.....New York City
LOURIA, ALEXANDER LEON.....New York City
MACCOLL, ROBERT JOHN.....New York City
MCDERMOTT, ARTHUR VINCENT.....New York City
MCKENNEY, WILLIAM JAMES.....New York City
MAHON, ROBERT V.....New York City
MARILLEY, EDWARD PATRICK.....Croghan, N. Y.
MARTINEZ, EXO ARSENIO.....Mayaguez, Porto Rico
MEYER, ADOLPH HENRY.....New York City
MILLS, RAYMOND FREDERICK.....Gloversville, N. Y.
MILLS, SCHUYLER.....Pelham Manor, N. Y.
MOITRIER, WILLIAM, JR.....New York City

Morris, Alexander Becht.....New York City
Moses, Eugene Frederic.....New York City
Mullen, James Henry.....Rensselaer, N. Y.
Murray, Harrison Freeling.....Narrowsburg, N. Y.
Murray, John Alexander, Jr.....New York City
Murray, Vance B.....New York City
Nauheim, Melville.....New York City
Neuman, Abraham.....New York City
Noble, Ransom.....New York City
Ortleib, Sylvain Alexandre.....New York City
Osborne, Earl William.....New York City
Osterhout, Edgar Howard.....Freeport, N. Y.
Paddock, Lincoln.....New York City
Paddock, Royce.....New York City
Pfeiffer, Edward Heyman.....New York City
Prehn, Martin.....New York City
Ramsdell, Charles Homer.....New York City
Rapp, Paul Louis.....New York City
Reed, Luther Anderson.....New York City
Remsen, William.....New York City
Renton, Stanley Harned.....New York City
Renwick, Henry Brevoort.....New York City
Riblet, Edward Briggs.....New York City
Richardson, Harold Hanford.....New York City
Rimpo, Edward William.....Irvington, N. J.
Rinck, Walter.....Newark, N. J.
Robinson, Louis Harry.....New York City
Rockwood, Nathaniel Otis.....Montclair, N. J.
Roeder, Ralph Leclercq.....New York City
Rosenthal, George Jacob.....New York City
Scheib, Richard.....New York City
Scheuer, John Davenport.....Mt. Vernon, N. Y.
Schlossman, William Mayer.....New York City
Schmelzel, Clarence.....New York City
Schrenkeisen, Frank Gillman.....Mamaroneck, N. Y.
Scott, George W. A.....New York City
Selvage, Notman.....Newark, N. J.
Seymour, Raymond Branch.....New York City
Shaw, James Maddock.....Orange, N. J.
Sheimnan, Louis.....New York City
Shoenfeld, Herbert Frank.....New York City
Simon, Henry.....New York City
Sloan, Harold Stevenson.....New York City
Smith, Edward Philip.....Buffalo, N. Y.
Smith, Geddes.....Orange, N. J.
Solis, Marshall Erasmus.....Managua, Nicaragua
Stableford, Richard Gordon, Jr.....New York City
Stephenson, Raymond Williams.....New York City
Sterrett, James Everett.....Ossining, N. Y.
Stickles, Lloyd.....Newark, N. J.
Tannenbaum, Samuel William.....New York City
Taylor, Samuel Guyon.....New York City
Todd, Harold Cammeyer.....Fanwood, N. J.
Van Kleeck, Euen.....New York City
Vasquez, José Nicanor.....Guayaquil, Ecuador
vom Saal, Rudolf E.....Mt. Vernon, N. Y.
Wachner, Edwin Miles.....Akron, O.

Waldman, Louis ..... New York City
Webb, Roy Denslow ..... New York City
Weeks, Webb William ..... Corry, Pa.
Whipps, William Osterhout ..... Kalispell, Mont.
Wildman, Henry Valentine, Jr. ..... New York City
Wile, Walter David ..... New York City
de Wilton, Rollo L. ..... Hornell, N. Y.
Wolbarst, Eli Saul ..... New York City
Yokel, Arthur ..... New York City
Zipris, Virginius Victor ..... New York City
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NON-MATRICULATED STUDENTS.

Baer, Henry Leon ..... Vicksburg, Miss.
Benard, Albert, Jr. ..... New York City
Brown, Willard Heywood ..... New York City
Burhans, VanDyke ..... Hurley, N. Y.
Carmichael, Cyril ..... New York City
Chapman Samuel Andrew ..... New York City
Cornell, Charles Floyd ..... New York City
Corwin, Hilary E. ..... Huntington, N. Y.
Davidson, William B. ..... Dobbs Ferry, N. Y.
Duncan, William Henry, Jr. ..... New York City
Goldman, Matthew ..... New York City
Golthelf, Clarence N. ..... Denver, Col.
Hahn, Rudolf, Jr. ..... Cornwall, N. Y.
Harris, William, Jr. ..... New York City
Harson, Henry Newman ..... New York City
Heide, Herman L. ..... New York City
Hollenbeck, James Sullivan ..... Watertown, N. Y.
Jackson, Fred ..... New York City
Johnston, Walter B. ..... New York City
Kunz, George Handforth ..... New York City
Lang, John T. ..... New York City
Leonard, William Meek ..... New York City
Lesser, Myron Lawrence ..... New York City
McCoy, Peter Joseph ..... New York City
McLean, Henry C. ..... Newburgh, N. Y.
MacArthur, Donald MacLean ..... New York City
Mapelsden, Reuben, Jr. ..... New York City
Mathews, Albert F. ..... New York City
Meyer, Edward Bogardus ..... Newburgh, N. Y.
Mills, Walter Sands ..... New York City
Minor, James Henry ..... Plainville, Conn.
Mitchell, J. von Beuren ..... New York City
Muller, Theodore ..... New York City
Nargánes, Frederick ..... New York City
Odell, Beniamin Bryant ..... Newburgh, N. Y.
Reed, Latham Ralston ..... New York City
Renshaw, Paul ..... Noroton, Conn.
Runk, William Henry ..... Berlin, Germany
Schomberg, Philip ..... Mason City, Iowa
Seher, Otto Philip ..... Newark, N. J.
Shields, James ..... New York City
Squier, Charles Burnham ..... New York City
Susman, Harold Magnus ..... New York City
Thomas, Paul Bernard ..... New York City

TURRELL, HERBERT PERRY.....New York City
WALDMAN, ARTHUR LOTH.....New York City
WARREN, GEORGE HENRY, JR.....New York City
WERNER, PAUL CHARLES.....New York City
WEST, LOUIS BARTON.....Fredonia, N. Y.
WILSTACH, JOHN.....New York City
WOOD, ALFRED ELMER.....New York City

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The following matriculated students in the *College* attended the Summer Session of 1906, but did not register for the first term of the Academic year 1906–7:

ANDREWS, WILLIAM ALMON
EINSTEIN, DAVID W.
HEALD, HARRY BRIGGS

SUMMARY

Candidates for Degrees—	
In 1907	111
In 1908	128
In 1909	155
In 1910	161
Non-Matriculated Students	51
Total	606

SCHOOL OF LAW

OFFICERS OF INSTRUCTION AND GOVERNMENT

Officers of the Faculty

GEORGE W. KIRCHWEY, A.B.....*Dean and ex-officio Member of the University Council*
HENRY S. REDFIELD, LL.D.....*Secretary*
FRANCIS M. BURDICK, LL.D.....(*term expires* 1907) *Elected Delegate to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.), *President*
FRANCIS M. BURDICK, LL.D.....*Dwight Professor of Law*
GEORGE W. KIRCHWEY, A.B.....*Kent Professor of Law*
GEORGE F. CANFIELD, A.B., LL.B.....*Professor of Law*
HENRY S. REDFIELD, A.M., LL.D.....*Nash Professor of Law*
CHARLES THADDEUS TERRY, A.B., LL.B.....*Professor of Law*

Other Officers

NATHAN ABBOTT, A.B., LL.B.....*Lecturer*
GOLDTHWAITE H. DORR, A.B., LL.B.....*Lecturer*
CHARLES H. AYRES, JR., Ph.D., LL.B.....*Lecturer*
ALFRED HAYES, JR., A.B., LL.B.....*Lecturer*

From the Faculty of Political Science

JOHN W. BURGESS, Ph.D., LL.D., *Ruggles Professor of Political Science and Constitutional Law*
MUNROE SMITH, J.U.D., LL.D.....*Professor of Roman Law and Comparative Jurisprudence*
FRANK J. GOODNOW, LL.D.....*Eaton Professor of Administrative Law and Municipal Science*
JOHN B. MOORE, LL.D.....*Hamilton Fish Professor of International Law and Diplomacy*
CHARLES A. BEARD, Ph.D..*Lecturer in History and Political Science*

PURPOSES OF THE SCHOOL

The design of the School of Law is to afford a thorough, practical, and scientific education in the principles of:

The common and statute law of the United States.

The English and American system of equity jurisdiction,
The public law of the United States and Europe.
The Roman law—ancient and modern.
Theoretical and comparative jurisprudence.

PROGRAM OF STUDIES

First Year

CONTRACTS—Keener's Cases on Contracts. 4 hours. Professor TERRY

CRIMINAL LAW—Beale's Cases on Criminal Law. 3 hours, first half-year. Professor BURDICK

ELEMENTS OF LAW—3 hours, first half-year. Professor MUNROE SMITH

EQUITY—Ames's Cases on Equity, vol. 1. 3 hours, second half-year. Professor ABBOTT

PLEADING AND PRACTICE—Ames's Cases on Common Law Pleading; Perry on Common Law Pleading. 3 hours, second half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Kirchwey's Readings in Real Property; Gray's Cases on Property, vol. 1, 2d ed. 2 hours. Professor KIRCHWEY

TORTS—Burdick's Cases on Torts (3d ed.); Burdick on Torts. 2 hours. Professor BURDICK

Second Year

* ADMIRALTY—Ames's Cases on Admiralty. 2 hours, second half-year

AGENCY—Wambaugh's Cases on Agency. 3 hours, first half-year. Mr. DORR

BAILMENTS AND CARRIERS—Beale and Wyman's Cases on Public Service Companies. 3 hours, second half-year. Mr. DORR

* BANKRUPTCY AND INSOLVENCY—Williston's Cases on Bankruptcy. 2 hours, second half-year. Professor BURDICK

* DAMAGES—Beale's Cases on Damages. 2 hours, first half-year. Mr. HAYES

DOMESTIC RELATIONS—Smith's Cases on Persons. 2 hours, second half-year. Professor ABBOTT

EQUITY—Ames's Cases on Equity. 2 hours. Mr. AYRES

INSURANCE—Richards on Insurance. 2 hours, first half-year. Mr. HAYES

NEGOTIABLE PAPER—Ames's Cases on Bills and Notes. 2 hours. Professor CANFIELD

* Omitted in 1906–07.

PLEADING AND PRACTICE—Redfield's Cases on Code Pleading and practice. Thompson's Cases an Equity Pleading. New York Code of Civil Procedure. 2 hours. Professor REDFIELD

QUASI-CONTRACTS—Scott's Cases on Quasi-Contracts. 3 hours, first half-year. Professor ABBOTT

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. 2, (2d ed.) and 3 (2d ed.). 2 hours. Professor KIRCHWEY

SALES OF PERSONAL PROPERTY—Burdick's Cases on Sales (2d ed.); Burdick on Sales (2d ed.). 2 hours. Professor BURDICK

SURETYSHIP—Ames's Cases on Suretyship. 2 hours, first half-year. Mr. HAYES

ADMINISTRATIVE LAW of the United States and Europe. 2 hours, first half-year. Professor GOODNOW

LAW OF OFFICERS. 2 hours, second half-year. Professor GOODNOW

COMPARATIVE CONSTITUTIONAL LAW. 2 hours. Dr. BEARD

INSTITUTES OF ROMAN LAW. 2 hours. Professor MUNROE SMITH

Third Year

CORPORATIONS—Keener's Cases on Corporations. 2 hours. Professor CANFIELD

EQUITY: Trusts—Ames's Cases on Trusts. 2 hours. Mr. AYRES

EVIDENCE—Thayer's Cases on Evidence. 2 hours. Professor KIRCHWEY

MORTGAGES—Kirchwey's Cases on Mortgages. 3 hours, first half-year. Professor KIRCHWEY

PARTNERSHIP—Burdick's Cases on Partnership; Burdick on Partnership. 2 hours. Professor BURDICK

PLEADING AND PRACTICE. 3 hours, first half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. 5 and 6. 2 hours. Professor ABBOTT

TRUSTS AND PERPETUITIES—Under the Revised Statutes of New York. 2 hours, second half-year. Professor CANFIELD

WILLS AND ADMINISTRATION—Gray's Cases on Property, vol. 4. (2d ed.). 3 hours, second half-year. Professor REDFIELD

AMERICAN CONSTITUTIONAL LAW—Private Rights under the Constitution. 2 hours. Dr. BEARD

CONFLICT OF LAWS. 1 hour. Professor JOHN BASSETT MOORE

HISTORY OF EUROPEAN LAW. 2 hours. Professor MUNROE SMITH

INTERNATIONAL LAW. 2 hours. Professor JOHN BASSETT MOORE

MUNICIPAL CORPORATIONS. 2 hours, first half-year. Professor GOODNOW

MODERN CIVIL LAW. 1 hour. Professor MUNROE SMITH

LAW OF TAXATION. 2 hours, second half-year. Professor GOODNOW

Practice Courts

Moot Courts, conducted with special reference to the courses in pleading and practice, will constitute a regular feature of the work of the second and third years. They will be under the supervision of Mr. HAYES.

Requirements for Admission

To the First-Year Class

All applicants for admission must present satisfactory evidence of good moral character, and must be at least eighteen for the first-year class and correspondingly older for advanced standing.

Graduates of colleges and scientific schools in good standing are admitted without examination. Except as provided on p. 189, all persons other than such graduates must present satisfactory evidence of preliminary training equivalent to that of a full college course.

To Advanced Standing

Students complying with the above requirements for admission to the School, who have, in addition, successfully pursued the study of law for at least a year in an approved law school, may, on examination giving satisfactory evidence of proficiency in the studies of the first year, be admitted to advanced standing as members of the second-year class. No school admitting its graduates to a degree in law on less than three years of systematic law-school work will be recognized as satisfying this requirement.

No one will be admitted to advanced standing beyond the second year except by special vote of the Faculty.

The examinations for advanced standing cover all the work previously done by the class to which admission is sought, and are held at the end of the academic year and during the week preceding the opening of the fall term. No certificate or diploma of work done elsewhere will be accepted in lieu of these examinations.

As Non-Matriculated Students

In exceptional cases qualified persons not candidates for the degree of LL.B., who are not eligible under this rule, may be admitted as non-matriculated students by vote of the Faculty. No one will be admitted to the School to pursue advanced work as a non-matriculated student who has not passed satisfactory examinations in the contract, equity, and property courses preceding such work in point of time.

The Curriculum

The curriculum leading to the degree of Bachelor of Laws covers a period of three years. The work of the first year is prescribed. All the courses of the second and third years are elective. Courses not taken in the second year may be elected as a part of the work of the following year, but third-year courses will not in general be open to second-year students. A few courses are given only in alternate years. These may be taken both by second- and third-year students.

Registration is limited to courses taken for a degree, and students will be held responsible for the satisfactory completion of all courses for which they are registered.

The work selected by a law student is subject in every case to the approval of the Dean.

Examinations

Written examinations are held at the end of each academic year on the subjects of that year.

All students, whether matriculated or non-matriculated, must, unless excused by the Dean, present themselves for examination in all the subjects for which they are registered at the first examination held therein, and, in case of excuse from any examination, must take the next examination offered in such subject. Students are not permitted to take examinations in courses for which they are not regularly registered.

At all stated examinations the standing of students will be indicated by the letters A, B, C, D, and F, representing *Excellent*, *Good*, *Fair*, *Poor*, and *Failure*, respectively. These grades will be part of the record of the students in the office of the Registrar and will be reported to them as soon as possible after each examination.

No student is admitted to the second-year class who is deficient in more than four hours of the work of the first year. No student will be admitted to the third-year class who is deficient in any subject of the first year or in more than one full course or in more than two half-year courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any subject be allowed to continue in the School except by special vote of the Faculty.

Non-matriculated students must pass satisfactory examinations in not less than 75 per cent. of the work for which they are registered, as a condition of continuing in the School.

No other examinations are given.

Degree of Bachelor of Laws

The required work for the degree of Bachelor of Laws consists of 84

points, each point representing the satisfactory completion of work requiring attendance one hour a week for one half-year.

No student may take less than twenty nor more than thirty points in any year without the consent of the Dean.

Not more than one full course nor more than two half-year courses in which the student receives a mark of D may be counted toward a degree in any one year.

No student failing in any subject on the final examination of his class will be admitted to the degree unless within two years of such failure he presents himself for re-examination and receives a mark of C, at least, therein.

Non-matriculated students who have been members of the School for at least two years may become eligible for the degree if they shall have attained an average of B in all the work prescribed therefor.

Scholarships and Prizes

(See page 429)

Fees

(See page 26)

Law Library

The law library has been greatly extended and improved, and now consists of upwards of 30,000 volumes, which have been carefully selected to meet the wants of students. It is especially rich in American, English, and British Colonial reports.

The general Library of the University (see page 33) contains extensive collections of works relating to international, public, and Roman law.

REGISTER OF STUDENTS

School of Law

THIRD YEAR—CLASS OF 1907

ARMSTRONG, DAVID, A.B. 1901 ..... Rahway, N. J.
BALDWIN, HAROLD LYMAN, D.D.S., Coll. Dental and Aural Surgery, 1904. New York City
BALLIN, IRVING JACOB ..... New York City
BEACH, WESLEY HEMAN, A.B. Leland Stanford, Jr., 1900 ..... Colton, Cal.
BROWER, FARRAND D., A.B. 1901 ..... New York City
BRYANT, WILLIAM SIDNEY, Jr., A.B. 1904 ..... New York City
BRYDE, EDWARD DUDLEY, A.B. Cornell 1904 ..... New York City
BUCK, KARL WILHELM, ... Emden, Germany
Testimonicum Maturatatis, Emden, Germany, 1899
CALLAHAN, FRANK, A.B. Yale 1904 ..... Hartford, Conn.
CARTER, ASA LEROY, LL.B. Univ. Missouri 1905 ..... Columbia, Mo.
CARY, FREDERICK LORIS ..... New York City
CHAMBERS, ROBERT NEWTON, A.B. Princeton 1904 ..... Norwich, N. Y.
CLARK, JOHN DAVIDSON, A.B. Univ. Nebraska 1905 ..... Cheyenne, Wyo.
CLARK, STEPHEN CARLTON, A.B. Yale 1903 ..... Cooperstown, N. Y.
COCKRELL, MONCURE, B.S. Univ. Montana 1904 ..... Deer Lodge, Mont.
COHEN, ISIDORE, A.B. C. C. N. Y. 1904 ..... New York City
COLLINGS, WILLIAM ASBURY, Ph.B. DePauw 1900 ..... Cicero, Ind.
CONANT, HARRISON JOSIAH, A.M. 1906, A.B. Amherst 1904 ..... Worcester, Mass.
CURTIS, ELWOOD ARNOLD ..... New York City
CUTHELL, CHESTER WELDE, A.B. 1905 ..... New York City
DECKER, SYDNEY SYLVESTER, Jr., B.S. Princeton 1904 ..... Montour Falls, N. Y.
DONOVAN, CLARENCE WALWORTH, A.B. St. Francis Xavier 1904 ..... New York City
DONOVAN, WILLIAM JOSEPH, A.B. 1905 ..... Buffalo, N. Y.
DORSEY, CAM DAWSON, B.S. Univ. Georgia 1903 ..... Atlanta, Ga.
EGGLESTON, ROBERT DUNCAN, A.B. Yale 1904 ..... Meriden, Conn.
FEIFER, DAVID, A.B. C. C. N. Y. 1904 ..... New York City.
FISCHER, HENRY BALDWIN, Ph.B. Yale 1904 ..... New York City
FISHER, WILLIAM, Jr., A.B. Univ. North Carolina 1904 ..... Pensacola, Fla.
FLIEDERBLUM, HERMAN JAMES, A.B. C. C. N. Y. 1904 ..... New York City
FRANKENTHALER, GEORGE, B.S. C. C. N. Y. 1903 ..... New York City
GOODBODY, WILLIAM URWICK, A.B. Williams 1904 ..... Haledon, N. J.
HAMILTON, GUY AMSI, A.B. 1905 ..... Geneva, Neb.
HARPER, HAROLD, A.B. 1905 ..... New York City
HAYS, CORNELIUS LANSING, A.B. Union 1904 ..... Albany, N. Y.
HEATON, JAMES PUTNAM, A.B. 1905, A.M. 1906 ..... New York City
HEWITT, LOUIS PERCY, A.B. Univ. Nebraska 1904 ..... Lincoln, Neb.
HOERNER, GRANT, A.M. 1906, A.B. Dickinson 1896 ..... Progress, Pa.
HORNBLOWER, GEORGE SANFORD, A.B. Princeton 1904 ..... New York City
IVINS, WILLIAM MILLS, Jr., A.B. Harvard 1901 ..... New York City
JACKSON, FREDERICK WEIDEMEYER, A.B. Princeton 1904 ..... New York City
JENKINS, MURRAY GOODLE, A.M. 1906, A.B. C. C. N. Y. 1904 ..... New York City
KAYE, BENJAMIN MARK, A.B. 1905 ..... New York City
KEITH, JOHN SLACK, A.B. Princeton 1904 ..... Newtown, Pa.
KLEEBERG, GORDON SAUL PHILIP, A.B. 1905, A.M. 1906 ..... New York City
KLEIN, FREDERIC EDWARD, A.B. 1905 ..... New York City

KOECHL, OTTO RUDOLPH, A.B. Harvard 1904..... New York City
KOHN, JEROME ARNOLD,, A.M. 1906, A.B. N. Y. Univ. 1904 ..... New York City
LAFETRA, WILBUR WHITFIELD, A.B. Ohio Wesleyan 1904..... New York City
LANGWORTHY, HERMAN MOORE, A.B. Kansas 1902, A.M. 1903 .. Leavenworth, Kans.
LAWRENCE, GEORGE ALFRED ..... New York City
M.D. 1895, A.M. 1896, Ph.D. 1902, A.B. Leland Stanford, Jr. 1892.
LEVY, BENJAMIN MORRIS, A.B. 1905..... New York City
LEVY, EDWARD BENJAMIN, A.M. 1905; A.B. C. C. N. Y. 1904 .. .. New York City
LEWIS, ROBERT CARPENTER, A.B. 1905 ..... Fargo, N. D.
LEWISOHN, SAMUEL ADOLPH, A.B. Princeton 1904.....New York City
LONDON, MONTE, A.B. 1905..... New York City
LUDLOW, THEODORE RUSSELL, A.B. Austin College 1903..... Bloomfield, N. J.
MCCOLL, CLARK ALEXANDER, A.M. 1906, B.S. Tarkio College 1904.... New York City
MCGOONEY, DUDLEY ODELL.....Bloomington, Ind.
A.B. Indiana Univ. 1901, A.M. Harvard 1904
MARSH, THEODORE MCCURDY, A.B. Yale 1904..... East Orange, N. J.
MEDALIE, GEORGE ZERDIN, A.B. 1905..... ..... New York City
MERRILL, EZRA BIRDETTE..... Minneapolis, Minn.
MICHAEL, JOSEPH, A.M. 1904 B.S. C. C. N. Y. 1903, ... New York City
MICHAEL, MAX, A.M. 1906, A.B. Univ. Georgia, 1904 ..... Athens, Ga.
MILLER, ELMER CRAVER, A.B. 1905.....Glen Ridge, N. J.
MILLER, MARK HUNTER, A.B. Franklin, 1904 ..... Franklin, Ind.
MOORE, PHILIPS ALEXANDER, A.B. Princeton 1904.....New Castle, Pa.
NEWBORG, SIDNEY, A.B. Williams 1904..... New York City
PALMER, CORYDON..... New York City
PODELL DAVID, A.B. 1905 ..... New York City
POWELL, JOHN ABBOTT, A.M. 1906, A.B. Ripon 1905,..... Rosendale, Wis.
RILEY, NELSON STUDEBAKER, A.B. Yale 1904.....South Bend, Ind.
RISING, HERBERT ROBINSON, A.M. 1906, Ph.B. Yale 1900, ...Newark, N. J.
ROCKMORE, ABRAHAM, A.B. C. C. N. Y. 1904 ..... New York City
ROOSEVELT, FRANKLIN DELANO, A.B. Harvard 1904..... Hyde Park, N. Y.
ROSENHEIM, GERALD BENJAMIN, A.M. 1905, A.B. Johns Hopkins 1904..Baltimore, Md.
ROSENSON, HARRY JAMES, A.B. 1905..... New York City
SCHLOSS, NORMAN PULVER STEVEN, A.B. C. C. N. Y. 1904..... New York City
SCHWARTZ, FRANK, A.B. C. C. N. Y. 1903..... New York City
SCHWED, HARRY, A.B. 1905 ..... Somerville, N. J.
SHAPIRO, DAVID IRVING, B.S. C. C. N. Y. 1904..... New York City
SHELTON, CHARLES BASCOM, A.B. Emory 1902..... Atlanta, Ga.
SHOREY, CLYDE EVERETT, A.B. Univ. Nebraska 1904..... Seward, Neb.
SMITH, LATHROP, A.B. Yale 1904.....Kansas City, Mo.
SOLOMON, JOSEPH, A.B. C. C. N. Y. 1904 ..... New York City
STEVENS, WELD MERRICK, A.B. Princeton 1904..... Greenwich, Conn.
SWEENEY, JOHN CUTHBERT, ... Denver, Colo.
TAYLOR, JAMES ALBERT, A.B. 1905..... Utica, N. Y.
THOMPSON, DANIEL BURR..... New York City
VAN CLEEF, FRANK CHAPMAN, A.B. Oberlin 1904..... Wellington, O.
VAN NOSTRAND, NORMAN WYCKOFF, A.B. 1905 ..... New York City
WALLACH, KAUFMAN RICHARD, A.B. 1904, A.M. 1906 ..... New York City
WEINSTEIN, MORRIS, A.B. C. C. N. Y 1904..... New York City
WOLFF, JULIUS L., A.B. C. C. N. Y. 1904 ..... New York City

Third Year—Class of 1907.....87

SECOND YEAR —CLASS OF 1908

ABBEY, EDWARD NORMAN, A.B. Hamilton 1905.....Smithtown' Branch, N. Y.
ASTON, ALBERT, A.B. Yale 1905.....New York City
BEDINGER, HENRY G., A.B. Univ. Missouri 1905.....Anchorage, Ky.

BERTINI, AMEDEO AUGUST, A.B. 1906.....New York City
BERNSTEIN, MORRIS HENRY, A.B. Univ. Georgia 1905 .....Anniston, Ala.
BISHOP, MERRILL, A.B. Amherst 1904..... New York City
BONDY, EUGENE LYONS, A.B. 1906..... New York City
BOYLE, JOHN NEVILLE, A.B. 1906 ..... New York City
BUFFETT, BENJAMIN R., A.B. Mt. Allison Univ. 1899....Grand Bank, Newfoundland
BULKLEY, CHARLES STONE, A.B. Yale 1905..... Summit, N. J.
BURDETT, LESTER CHARLES, A.B. Manhattan 1905..... Fort Lee, N. J.
BURDICK, CHARLES KELLOGG, A.B. Princeton 1904..... New York City
CHAMBERS, FRANK WILLIAM, A.B. 1906..... New York City
CHEADLE, ALBERT BERNARD.....Ottumwa, Ia.
CLARE, JAMES LEO, A.B. St. Francis Xavier 1905 ..... New York City
CLARK, THOMAS FAYETTE..... New York City
CLINKSCALES, LOUIS DUPREE, A.B. Baylor 1905..... .....Vinita, Okl.
COLE, JOSEPH KINSEY, A.B. Cornell 1903.....Cincinnati, O.
CONNOR, FRANCIS J., A.B. Manhattan 1894..... .....Manchester, N. H.
EASTON, KERNER, A.B. 1905.....New York City
ELLIS, GEORGE ADAMS, A.B. 1904..... Castleton, Vt.
FARWELL, EARLE, U. S. N. A. 1905..... Philadelphia, Pa.
FLOYD, CHARLES HAROLD, B.S. Harvard 1903.....Hyde Park, Mass.
FRANK, ARTHUR, B.S. Vanderbilt 1905.....Nashville, Tenn.
FRIED, EDWARD SAMSON, A.B. 1904 ..... New York City
GALLATIN, GOELET, A.B. 1900..... New York City
GEER, WILLIAM MONTAGUE, Jr., A.B. 1906..... New York City
GWINN, RALPH, A.B. DePauw 1906..... Noblesville, Ind.
HILDRETH, ARTHUR WHITE, A.B. Yale 1905.....Southampton, N. Y.
HOGAN, JAMES JOSEPH, A.B. Yale 1905..... .....Torrington, Conn.
HOWELL, RAPELJE, A.B. Cambridge, England 1902.....New York City
HYMAN, MAURICE, A.B. 1905..... New York City
ISAACS, SAMUEL STANLEY, A.B. 1906..... New York City
JONES, GEORGE, A.B. Harvard 1905..... New York City
KANZLER, JACOB.....Kearney, Neb.
KENDLER, JULIUS, A.B. 1906..... New York City
KING, CLARENCE B., A.B. Univ. Wisconsin 1906..... ..... Madison, Wis.
LAING, JOHN ALBERT, A.B. Dartmouth 1905.....Albany, N. Y.
LEAVENWORTH, ELLIS WILLARD, A.B. Colgate 1905..... .... Easton, N. Y.
LEROY, ROBERT, A.B. 1905..... New York City
MCKENNIS, HERBERT, A.B. Dartmouth, 1904.....Albany, N. Y.
MCLOUGHLIN, JAMES B., A.B. Fordham 1903..... New York City
MCMORROW, THOMAS JOHN, A.B. Manhattan 1905..... New York City
MARSDEN, WALTER EUGENE, A.B. Yale 1905.....Johnstown, Pa.
MAVES, ALBERT EDWARD, A.B. 1906..... New York City
MELA, HARRY FERDINAND, A.B. C. C. N. Y. 1904..... New York City
MEREDITH, HARLAN MACY, B.S. Penn. College 1901.....Oskaloosa, Ia.
MILBANK, HAROLD, A.B. Yale 1905..... New York City
NAVE, MARK DEMING, A.B. Wabash 1901.....Rockville, Ind.
OPENHYM, WILFRED ADOLPHE, A.B. Harvard 1905, A.M 1906 ..... New York City
PALMER, WALKER MATTHEW, A.B. Hamilton 1905.....Little Falls, N. Y.
PETER, WILLIAM FREDERICK, Jr., A.B. Yale 1905 .....Seymour, Ind.
PIEL, WILLIAM F. J., A.B. 1905..... New York City
PORTER, WILLIAM REDFIELD, A.B. 1906..... New York City
POWELL, FREDERICK JAMES, E.M. 1905..... New York City
ROGERS, RALPH ERNEST, A.B. Yale 1901..... New York City
ROY, EDWARD COSBY, A.B. Univ. Louisville 1903, B.S. Central Univ. 1905 Louisville, Ky.
RUNYON, CHARLES, A.B. Williams 1905.....Yonkers, N. Y.
SHAPIRO, LOUIS M., B.S. C. C. N. Y. 1905..... New York City
SHAW, FRANK W., Ph.B. Lafayette 1904.....Patchogue, N. Y.

SIEGEL, ALEXANDER BERNARD, A.B. C. C. N. Y. 1905 ..... New York City
STUDY, GEORGE WISLOW, A.B. Univ. Indiana 1905 ..... Winchester, Ind.
TRAVIS, ALBERT CHESTER, A.B. Harvard 1905 ..... New York City
VEDDER, FRANK HANLEY, Ph.B. Cornell 1899 ..... Utica, N. Y.
WEIL, JESSE, A.B. 1905 ..... New York City
WHEELER, MASON, A.B. Univ. Nebraska 1906 ..... Lincoln, Neb.
WILLIAMS, CHARLES LAIDLAW, A.B. 1906 ..... East Orange, N. J.
WILLIAMS, EDWARD, A.B. Univ. Montana 1905 ..... Kennewick, Wash.

Second Year—Class of 1908 68

FIRST YEAR—CLASS OF 1909

ANDERSON, ROGER HAMLIN, ... Constantinople, Turkey
A.B. Robert College, 1904 A.B. Yale, 1906
ARMS, GUY TURNER, A.B. Yale 1906 ..... New London, Conn.
AXTELL, SILAS BLAKE, B.L. Kenyon College 1906 ..... Perry, O.
BAILLY, EDWARD CASHMAN, A.B. 1906 ..... Spencerport, N. Y.
BANGS, HENRY MCCOMB, A.B. 1906 ..... New York City
BARBER, JAMES FRED, A.B. Cedarville College 1904 ..... Cedarville, O.
BENNETT, RALPH CULVER, A.B. Ill. Wesleyan 1902, A.B. Yale 1906 .. ..Evanston, Ill.
BEST, HARRY ..... Millersburg, Ky.
A.B. Centre College 1901, A.M. George Washington Univ. 1902
BEVIER, LOUIS, 3rd, A.B. Rutgers 1906 ..... New Brunswick, N. J.
BISHARA, KALIL ASAPH ..... Geneva, N. Y.
BLECHMAN, JOSEPH PETER, A.B. 1906 ..... New York City
BUCHNER, CHARLES J., A.B. St. John's 1906 ..... New York City
BURNS, GRANT, A.B. 1906 ..... New York City
CARANICOLAS, GEORGE N., A.B. Robert College 1901 ..... New York City
CAVICCHIA, PETER ANGELO, A.B. American International College 1906.. Newark, N. J.
COHN, ABYE ALBERT, A.M. 1906, Ph.B. Univ. Miss. 1905 ..... Brookhaven, Miss.
COLTON, HENRY ELLIOTT, A.B. Yale 1902 ..... New York City
CRIMEAN, JOHN J., Jr., B.S. Univ. Pennsylvania 1904 ..... Conshohocken, Pa.
CROSS, BOLLING ALLYN, A.B. Louisiana State Univ. 1906 ..... Baton Rouge, La.
DAVEY, ROBERT GEORGE, A.B. McGill 1902 ..... Whitby, Ont., Can.
DAWKINS, SPENCER MORGAN, A.B. Wofford 1903 ..... Spartanburg, S. C.
DEMETRIADES, DEMETRIAS NICOLAS ..... New York City
DOX, RALPH WATSON, A.B. 1906 ..... Lockport, N. Y.
DUNCAN, OSCAR DIBBLE, U. S. N. A. 1897 ..... Washington, D. C.
ELLENWOOD, ERNEST JUDSON, Ph.B. Union 1905 ..... Dannemora, N. Y.
FEITEL, NATHAN HAWTHORNE, A.B. Louisiana State Univ. 1906.. New Orleans, La.
FERRARI, ROBERT ANTHONY, A.B. 1905 ..... New York City
FLUHRER, MINTON, A.B. Yale 1903 ..... New York City
FOLGER, PAUL, A.B. Cornell 1906 ..... Geneva, N. Y.
FRINK, RALPH MENDENHALL, A.M. 1906, A.B. Wabash 1905 ..... Elkhart, Ind.
GOETZ, NORMAN S., A.B. 1906 ..... New York City
GOOLDY, WALTER GORDON, A.B. Univ. Denver 1903 ..... Dixon, Wyo.
GORDON, SAUL SUMNER, A.B. Harvard 1906 ..... Malden, Mass.
GRAVES, FREDERICK ROBERTS, A.B. Kenyon 1906 ..... Indianapolis, Ind.
GREEFF, GERHARD ERNEST HUGH, A.B. 1905 A.M. 1906 ..... New York City
GREENE, FRANK REESE, A.B. Colgate 1906 ..... Hamilton, N. Y.
GRIFFITH, BENJAMIN WHITFIELD, Jr., B.S. Univ. Miss. 1906 ..... Vicksburg, Miss.
HAMILTON, SINCLAIR, A.B. Princeton 1906 ..... Englewood, N. J.
HAY, WILLIAM WOODHULL, A.B. Princeton 1906 ..... New York City
HEINICK, FRED ROBERT ..... Berlin, Germany
(equiv. A.B.,) Kaiser Wilhelm's Akademie, Berlin, Ger. 1902
HERSHKOFF, BERNARD, B.S. C. C. N. Y. 1906 ..... New York City
HOUSTON, ALFRED, A.B. St. John's 1906 ..... Valparaiso, Chile

HOWE, GORDON MILNE, A.B. Amherst 1906..... New York City
JACKSON, LISTON, A.B. Wake Forest 1906.....Dillon, S. C.
JOLLON, ALFRED JOHN, A.B. St. John's 1905..... New York City
JUDSON, LEONARD, A.B. C. C. N. Y. 1904..... New York City
KELLS, LUCAS CARLISLE, A.M. Univ. of Minn. 1904.....Sauk Centre, Minn.
KENT, TOWNER, A.B. Yale 1906..... Patterson, N. Y.
KENTWELL, LAWRENCE KLINDT.....Honolulu, H. I.
KROM, GEORGE S., A.B. Amherst 1906.....High Falls, N. Y.
LEE, ROY R., A.B. Moore's Hill College 1905.....Sugarbranch, Ind.
LORD, FRANKLIN B., Jr., A.B. Yale 1905..... New York City
MCENIDY, WILLIAM P., A.B. Georgetown 1903.....Albany, N. Y.
MACRO, JOSEPH CIPRIANO, A.B. Bucknell 1906.....Reynoldsville, Pa.
MAURICE, ALBERT TONZALIN, A.B. Princeton 1906..... Athens, Pa.
MURPHY, CHARLES ALOYSIUS, A.B. Univ. Pennsylvania 1905 .... Philadelphia, Pa.
NEWELL, ALBERT PRIEST, A.B. Williams 1905.....Odgensburg, N. Y.
O'CONNOR, VINCENT ALOYSIUS, A.B. St. John's 1906..... New York City
O'HERN, DANIEL JOSEPH, A.B. Boston 1905..... Hyde Park, Mass.
PEABODY, JOHN DAMON, A.B. Harvard 1906..... New York City
PIERCE, MARION BARNWELL, A.B. Wofford 1906..... Sparta, Ga.
PIERSON, HOWARD OLMSTEAD, A.B. Princeton 1906..... Norwalk, Conn.
PRESTON, STUART DUNCAN, A.B. Harvard 1906..... New York City
READ, HARLAN, B.L. Ohio Wesleyan 1906..... Delaware, O.
RICHTER, STANLEY LASKER, A.B. 1906.....New York City
RIDDLE, STANLEY CLIFTON, B.S. Ohio Wesleyan 1906.....Delaware, O.
RINKE, ARTHUR WERNER, A.B. Yale 1906..... New York City
RUDISILL, LAURENCE ERASTUS. A.B. Univ. North Carolina 1904.... Cherryville, N. C.
RYBA, JOHN, (equiv. A.B.,) Univ. Cracow 1877..... New York City
SAGE, GEORGE NELSON, B.S. Univ. Rochester 1905.....Clifton Springs, N. Y.
SCHAFFER, FRANKLIN PIERCE, A.B. Oberlin 1906..... New York City
SHAFER, GEORGE CARLTON, A.B. Princeton 1903..... Montrose, Pa.
SHEEHAN, PAUL, A.B. Yale 1906..... New York City
SHELTON, WILLIAM B., A.B. Yale 1906.....Norwalk, Conn.
SICHER, DUDLEY FRANK, A.B. Yale 1904, A.M. 1905..... New York City
SIMPSON, ELY, A.B. C. C. N. Y. 1906..... New York City
SKINNER, ROBERT WILKINSON, Jr., A.B. Harvard 1906..... New York City
SNEAD, CHARLES GOLDEN, Jr., A.B. Lincoln 1906..... .... New York City
SPENCE, KENNETH MONROE, A.B. 1906..... New York City
SPIEGEL, ALFONSE FRANK, (equiv. A.B.,) Hanover College, North Germany, 1906
SPITZ, EDWARD FREDERICK, A.B. 1906..... New York City
SPRAGUE, WILLIAM BUELL, A.B. Yale 1906..... New York City
STANLEY, EDWARD OTIS, Jr., A.B. Princeton 1906.....East Orange, N. J.
STIGGINS, SAMUEL JONES, A.B. Rollins 1906.....Tampa, Fla.
STURTEVANT, WATKIN POWELL, A.B. Allegheny 1906.....Conneautville, Pa.
SWAIN, PRESCOTT LEGGETT, A.B. Harvard 1905..... New York City
THORNTON, ALBERT EDWARD, Jr., A.B. Yale 1906..... Atlanta, Ga.
TRAVIS, CHARLES MABBETT, A.B. Wesleyan 1906..... New York City
TROSK, CHARLES, B.S. C. C. N. Y. 1906..... New York City
VINCENT, HAROLD GASTON, A.B. Oberlin 1906..... Oberlin, O.
WHITE, ROBERT JENKINS..... New York City
WILLIAMS, ERIC JOHANN, A.B. Harvard 1906.....Lockport, N. Y.
WORMSER, ISAAC MAURICE, A.B. 1906..... New York City

First Year—Class of 1909.....93

NON-MATRICULATED STUDENTS

BAKER, ARTHUR GEORGE, A.B. Amherst 1903.....Chicopee, Mass.
BOLLES, JOHN ALBERT, A.B. Union 1903..... Kortright, N. Y.
COCKRELL, ALSTON, A.B. Georgetown 1906.....Jacksonville, Fla.

CORLETT, WILLIAM WELLINGTON.....New York City
DELUCE, ROBERT ..... Yuma, Ariz.
ELLIS, FLOYD ELMO.....Carlisle, Ind.
HAYWOOD, ALFRED WILLIAMS, Jr., A.B. Univ. North Carolina 1904 ..Haw River, N. C.
JONES, HAMILTON C., A.B. Univ. North Carolina, 1906..... Charlotte, N. C.
JONES, ALEXANDER OGDEN, Ph.B. Yale 1900..... New York City
NAVE, CHARLES CONDIT, LL.B. Univ. Indianapolis, 1905 .....Indianapolis, Ind.
REID, JOHN MONROE, A.B. Univ. Denver 1904, LL.B. 1906.....Denver, Colo.
WELLS, JOHN DAVID.....Wilson, N. C.
WHITAKER, FREDERICK PRESCOTT, A.B. Leland Stanford, Jr, 1905..New York City
WOMBLE, BUNYAN SNIPES, A.B. Trinity 1904.....Newton, N. C.

SUMMARY

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SCHOOL OF MEDICINE

COLLEGE OF PHYSICIANS AND SURGEONS

Officers of the Faculty

SAMUEL W. LAMBERT, A.M., M.D.....*Dean and Member of the University Council ex-officio*

WALTER B. JAMES, M.D., LL.D. (term expires 1907)...*Elected Delegate to the University Council*

WILLIAM J. GIES, M.S., Ph.D.....*Secretary*

Standing Committees

ON ADMINISTRATION:

The Dean (Chairman), Professors CURTIS, JAMES, HOLT, and BREWER

ON ADMISSIONS:

The Dean (Chairman), Professors PRUDDEN and GIES

ON SCHOLARSHIPS:

The Dean (Chairman), Professors CRAGIN and BLAKE

ON STUDENTS' LIBRARY:

Professors PRUDDEN (Chairman), HUNTINGTON, and STARR

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.) *President*

JOHN G. CURTIS, M.D., LL.D.....*Professor of Physiology*

M. ALLEN STARR, M.D., LL.D., Sc.D.....*Professor of Neurology*

GEORGE S. HUNTINGTON, M.D., Sc.D.....*Professor of Anatomy*

T. MITCHELL PRUDDEN, M.D., LL.D.....*Professor of Pathology*

EDWIN B. CRAGIN, M.D.....*Professor of Obstetrics and of Gynecology*

WALTER B. JAMES, M.D., LL.D.....*Bard Professor of the Practice of Medicine*

WILLIAM J. GIES, M.S., Ph.D.....*Professor of Physiological Chemistry*

L. EMMETT HOLT, M.D., LL.D., Sc.D.....*Carpentier Professor of Diseases of Children*

CHRISTIAN A. HERTER, M.D.....*Professor of Pharmacology and Therapeutics*

JOSEPH A. BLAKE, M.D.....*Professor of Surgery*

SAMUEL W. LAMBERT, A.M., M.D....*Professor of Applied Therapeutics*

GEORGE E. BREWER, M.D.....*Professor of Clinical Surgery*
HARRY MCMAHON PAINTER, M.D.....*Professor of Clinical Obstetrics*
PHILIP HANSON HISS, Jr., M.D.....*Professor of Bacteriology*
FRANCIS CARTER WOOD, M.D.....*Professor of Clinical Pathology*

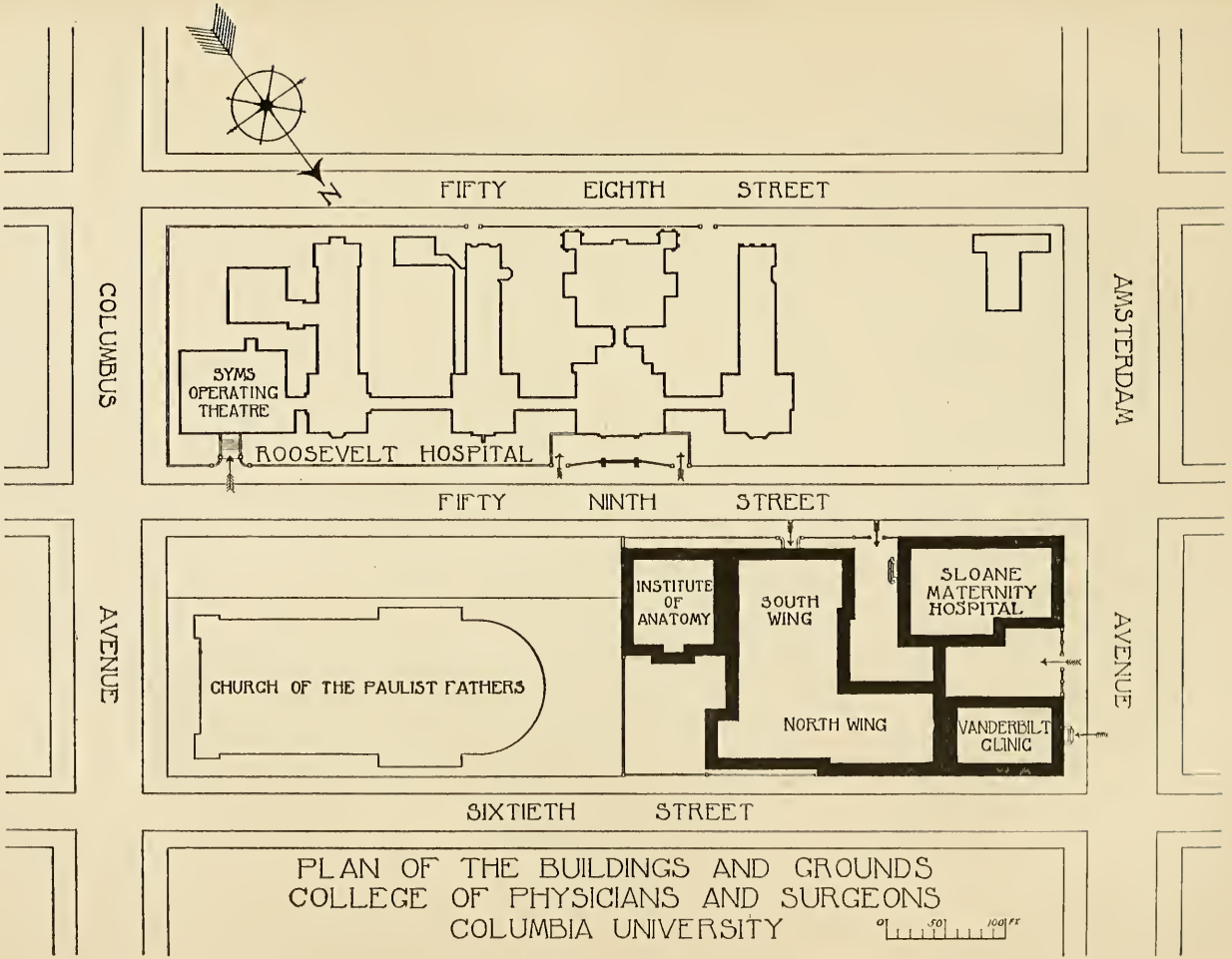
Emeritus Professors

EDWARD CURTIS, M.D.....*Emeritus Professor of Materia Medica and Therapeutics*
JAMES W. MCLANE, M.D.....*Emeritus Professor of Obstetrics*
FRANCIS DELAFIELD, M.D., LL.D....*Emeritus Professor of the Practice of Medicine*
ABRAHAM JACOBI, M.D., LL.D.....*Emeritus Professor of Diseases of Children*
HERMAN KNAPP, M.D.....*Emeritus Professor of Ophthalmology*
GEORGE MOREWOOD LEFFERTS, M.D., M.Sc.....*Emeritus Professor of Laryngology*
WILLIAM T. BULL, M.D.....*Emeritus Professor of Surgery*
A. BRAYTON BALL, M.D.....*Emeritus Professor of Clinical Medicine*

HISTORICAL STATEMENT

Kings College—the original foundation of Columbia University—organized a Medical Faculty in 1767 and was the first institution in the North American Colonies to confer the degree of Doctor of Medicine in course. The first individuals to graduate in medicine from the College were Robert Tucker and Samuel Kissam, who received the degree of Bachelor of Medicine in May, 1769, and that of Doctor of Medicine in May, 1770, and May, 1771, respectively. Instruction in medicine was given from this time on until the work of the College was broken up by the War of the Revolution. In 1784 an act was passed making Columbia College in the City of New York the successor of Kings College, and instruction was resumed in the academic department. Eight years later the Medical Faculty was re-established, and was continued until 1814, when the Medical Faculty of Columbia College was merged in the College of Physicians and Surgeons, which had received an independent charter in 1807. In 1860, by agreement between the Trustees of the two institutions, the College of Physicians and Surgeons became the medical department of Columbia College, and from that time on the diplomas of the graduates were signed by the President of Columbia College as well as by the President of the College of Physicians and Surgeons. The connection was only a nominal one, however, until 1891, when the College was definitely merged in the University.

Since 1860 the degree of Doctor of Medicine has been conferred by Columbia University on 5693 men, including many of the most eminent practitioners in the United States.


N
FIFTY EIGHTH STREET
COLUMBUS AVENUE
AMSTERDAM AVENUE
SYMS OPERATING THEATRE
ROOSEVELT HOSPITAL
FIFTY NINTH STREET
INSTITUTE OF ANATOMY
SOUTH WING
SLOANE MATERNITY HOSPITAL
CHURCH OF THE PAULIST FATHERS
NORTH WING
VANDERBILT CLINIC
SIXTIETH STREET
PLAN OF THE BUILDINGS AND GROUNDS
COLLEGE OF PHYSICIANS AND SURGEONS
COLUMBIA UNIVERSITY
0 50 100 FT

BUILDINGS, GROUNDS, AND EQUIPMENT

The College of Physicians and Surgeons was first situated at 18 Robinson Street, from 1807 to 1809. From 1809 to 1813 it was at 12 Magazine Street; from 1813 to 1837 at 3 Barclay Street; from 1837 to 1856 at 67 Crosby Street; and from 1856 to 1887 at 101 East Twenty-third Street. It now occupies a group of buildings given by the late William H. Vanderbilt, his sons Cornelius, William K., Frederick W., and George W. Vanderbilt, and by William D. Sloane, which stands upon thirty contiguous lots of land, bounded on the south, west, and north by Fifty-ninth Street, Amsterdam Avenue, and Sixtieth Street, respectively, and lying immediately opposite to the Roosevelt Hospital.

The Main Building

The College Building proper has been designed to facilitate the combination of theoretical instruction with laboratory work, which is essential to a modern scientific training. In this building, which has a floor space of 100,000 square feet, are the lecture halls, the recitation rooms, and the different laboratories, under the supervision of their respective professors, all thoroughly equipped for the routine work of the regular classes and for the special original and research work of the advanced students, instructors, and professors of the several departments.

In this building are the administrative offices, the laboratories of Physiology, General and Physiological Chemistry, Surgery, Pharmacology and Pharmaceutics, the Morphological Museums and Laboratory, a dissecting room accommodating 400 students, and two large amphitheatres.

For a more detailed account of the equipment of each department see the departmental statements.

Vanderbilt Clinic

Board of Managers: Mr. Frederick W. Vanderbilt, Dr. S. W. Lambert, Dean, Dr. George G. Wheelock, Dr. L. Emmett Holt, Dr. Joseph A. Blake.

The Vanderbilt Clinic is a fully equipped dispensary for the sick poor. It also affords ample material for extended practical clinical instruction in the various departments of Medicine and Surgery, as the professors, with their clinical assistants, have the entire charge of its practice.

The building is so arranged that each department has a room for the practical instruction of students in small sections, in addition to the rooms devoted to the treatment of patients; besides, there is a large theatre for clinical lectures and a smaller lecture hall.

All modern appliances for the treatment of diseases have been intro-

duced, so that students can learn thoroughly the use of all methods in each of the special departments of medicine.

During the year 1905, 45,355 patients were treated, making 156,792 visits to the Clinic.

For detailed information as to the clinical lectures held here, see the departmental statements in this volume, or the *Announcement of the College of Physicians and Surgeons.*

Sloane Maternity Hospital

BOARD OF MANAGERS: Mr. William D. Sloane, Dr. S. W. Lambert, Dean, Dr. George G. Wheelock, Dr. T. Mitchell Prudden, Dr. Edwin B. Cragin.

THE SLOANE MATERNITY HOSPITAL is situated at the corner of Fifty-ninth Street and Amsterdam Avenue, and the service is under the exclusive direction of the Professor of Obstetrics in the College of Physicians and Surgeons, the Instructor in Obstetrics being the Resident Physician. The wards of the Hospital furnish one hundred and twenty-four beds, and there are ample accommodations for the house staff, students, and nurses. The operating room is equipped with all modern surgical and obstetrical conveniences, and Professor CRAGIN holds weekly clinics here for third-year class during the first half of the year.

The number of deliveries averages over fifteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

Clinics at the Hospitals

The College is strongly represented on the staffs of most of the general and special hospitals of New York. In them both required and optional practical instruction is given by clinical lectures, in the dispensaries, and at the bedside, all of which are prominent features of the curriculum. Admission is free to all matriculates. These hospitals are as follows: Roosevelt, Bellevue, New York, Presbyterian, St. Luke's, General Memorial, Hospital for the Ruptured and Crippled, St. Mary's Free Hospital for Children, Willard Parker and Reception, Riverside, New York Eye and Ear Infirmary, Foundling, and the Babies Hospital. For a detailed statement see the *Announcement of the College of Physicians and Surgeons.*

Lectures

CARTWRIGHT LECTURES OF THE ALUMNI ASSOCIATION—According to the provisions of the Cartwright Trust, there is biennially given, under the auspices of the Alumni Association, a course of lectures more especially addressed to graduates in medicine. This course was delivered during the session of 1905–06 by Baron Kanehiro Takaki, Surgeon General (Reserve) of the Japanese Navy.

GENERAL PLAN OF INSTRUCTION

The prescribed period of study for the degree of Doctor of Medicine is four years. The requirements for admission are given elsewhere, but too much stress cannot be laid upon the desirability of a student fulfilling the spirit as well as the mere letter of those requirements. Physics and general chemistry are now required for admission, and the student of medicine will grasp the advanced subjects forming the groundwork of the course the more easily and with the better understanding just in proportion to the breadth and completeness of his preliminary education. This is especially true of the student who has added to his physics and chemistry a sufficient knowledge of general biology, which though not required is an essential part of a thorough medical education. The attention of students is particularly called to the regulations of Columbia College (see page 189) which permit a student to obtain a thorough preliminary training and at the same time to complete the requirements for the degree of A.B. or B.S. and the degree of M.D. in six years.

In the arrangement of the different branches of the medical instruction a logical order of the main themes and a co-ordination in the work of each department have been sought after, enabling the student to concentrate his attention upon some subject and to be so familiar with it that the allied subjects next to be taken up shall be readily understood. The salient features in the method of instruction are thorough laboratory training, frequent demonstrations, clinical teaching in the operating theatres and at the bedside as well as in the dispensaries, with recitations and didactic lectures to elucidate the many problems confronting the student.

Records of attendance and scholarship are kept, and before a student may advance with his class he must, besides passing a good examination in a subject, present certificates of satisfactory practical work.

In the first half of the first year the time of the student is devoted largely to anatomy. The instruction is carried on mainly by numerous demonstrations to sections and by long periods of uninterrupted work in the dissecting room. Also, in the first half-year the course in histology and embryology is begun. In the second half of the first year the study of physiology is begun, for which the students have been prepared by a course in mammalian morphology. This subject is taught by didactic lectures, demonstrations, recitations, and practical work in the laboratory. During the second half-year physiological chemistry is studied in the laboratory and by lectures and recitations. During this part of the year the work in anatomy is continued and the course in histology and embryology is completed.

In the second year anatomy and physiology are completed. The lectures in materia medica and laboratory courses in pharmacology

and bacteriology and hygiene are concluded. As preliminary to the third and fourth years, recitations from text-books are held in medicine, obstetrics, materia medica, and surgery. For the second half of the second year the students are assigned to the laboratory for work in pathology and pathological anatomy, and attendance at autopsies is required.

During the third year recitations in medicine and surgery are continued and those in gynecology are begun. There are didactic as well as clinical lectures in medicine, surgery, pharmacology, and therapeutics, applied therapeutics, obstetrics, gynecology, neurology, and pediatrics. During the year the work in pathology, anatomy, and clinical pathology is completed. The class is divided into small sections for instruction in physical diagnosis, and in the special branches of medicine and surgery at the various dispensaries and hospitals.

The student in the fourth year spends most of his time in the hospitals and dispensaries of the city. Consequently, although a few general and clinical lectures are still given, the work is almost entirely practical and bedside instruction. Divided into small groups, the students continue to come into personal contact with patients, under the supervision of the instructor. In this way they have the opportunity to become familiar with the history of a case, to make a complete physical examination, to form a diagnosis, to give a prognosis, to advise treatment, and to watch progress.

In the course in surgery the witnessing of numerous major and minor operations is supplemented by an operative course in which the student himself performs on the cadaver many of the more common operations. For an obstetrical service, the unsurpassed facilities of the Sloane Maternity Hospital offer excellent opportunities. Here the student is required to live for two weeks and personally attend a certain number of cases of labor. Finally, during the last year, the course is rounded out by personal instruction in the more special branches of medicine. In these branches the student is taught how to use many instruments of precision and to recognize and treat successfully many of the rarer forms of disease.

REQUIREMENTS FOR ADMISSION

To the First-Year Class

All candidates for the degree of Doctor of Medicine must present the medical-student certificate of the Regents of the University of the State of New York, *and must have obtained the same only on the basis of one or the other of the certificates named below:*

1. A certificate indicating (*a*) that the candidate has completed at least one full year's course of study in a college or scientific school, registered by the Regents as maintaining a satisfactory standard; (*b*) that he holds a bachelor's degree in arts or science, or its substantial

equivalent conferred by any registered institution in France or Spain; (*c*) that he is graduated from a registered gymnasium in Germany, Austria, or Russia, or has completed a course of study equivalent thereto—as, for example, a course of five years in a registered Italian ginnasio and three years in a liceo.

2. A certificate of the result of an examination conducted in June of any year by the College Entrance Examination Board, or in January or September of any year under the auspices of the Columbia University Committee on Entrance Examinations, or in part for both of these, in the subjects enumerated below. These three sets of examinations are held upon the same requirements and are substantially the same in standard administration. Candidates may forward their credentials received from either or both of these examining authorities to the Examinations Division, State of New York Education Department, Albany, N. Y., and if they aggregate the necessary 15 points will receive in exchange therefor the medical-student certificate required for admission to the College of Physicians and Surgeons. No part of the requirements which a candidate may pass will be allowed to stand to his credit for a longer period than twenty months.

The examination subjects from which the candidate for admission to the College of Physicians and Surgeons in 1907–08 must make his selections are as follows. (A "point" is regarded as being the equivalent of a course of study of five weekly periods throughout the academic year.)

The candidate *must* offer:	COUNTING IN POINTS
English	3
Elementary French or Elementary German	2
Elementary Latin (see note, page 166)	2
Elementary Mathematics	3
Elementary Physics	1
Chemistry	1
Total	12

The 3 additional points may be offered from the following subjects, the only restriction being that to offer an advanced subject will involve offering, either at the same time or earlier, the corresponding elementary subject.

	COUNTING IN POINTS
Elementary French or Elementary German (see above)	2
Elementary Greek	3
Elementary History	2

	COUNTING IN POINTS
Elementary Latin (see note, page 166)	2
Botany	1
Drawing	1
Physiography	1
Spanish	2
Zoölogy †	1
Intermediate French	1
Intermediate German	1
Advanced Greek †	1
Advanced History †	1
Advanced Latin †	1
Advanced Mathematics	1
Advanced Physics †	1

For full definition of the above requirements, and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 152–175.

Admission with Conditions

Candidates who do not receive a grade at least C (fair — 60 % to 75 %) in subjects amounting to at least 12 of the 15 points offered will be rejected.

Candidates who receive a grade of C (fair — 60 % to 75 %) in subjects amounting to not less than 12 of the 15 points offered, will be admitted conditionally, under such stipulations as the Committee on Admissions of the Faculty of Medicine may impose; but, in every case, conditions imposed at entrance must be removed before the student is admitted to the second year of the course. Such candidates must submit to the Committee their credits from the College Entrance Examination Board and from the University Committee on Entrance Examinations of Columbia University on or before September 25, 1907.

To Advanced Standing

Admission may be granted to advanced standing at the beginning of the second or third year, and, with the special consent of the Faculty, of the fourth year.

Every applicant for advanced standing will be required (1) to present evidence of having had a sufficient preliminary education, meeting the requirements for admission to the first-year class; (2) to present satisfactory evidence of having attended, in a recognized medical school, courses reasonably equivalent to those already attended by the class to which he seeks admission; (3) to be examined for admission in all the subjects in which the said class shall have been examined already.

† Candidates will be examined in this subject only in January and September.

No certificate or diploma will be accepted in lieu of these examinations for advanced standing.

A candidate for admission to advanced standing at the beginning of the second or third year may be so admitted either unconditionally or conditionally. In the latter case, his admission will be upon the same terms as govern students who have pursued at this College the curriculum of the first or second year.

During the week before the opening of the academic year examinations in each subject of the curriculum of the Medical School will be held for delinquent students and for candidates for admission to advanced standing.

As Special Students

Students desiring to do special work at the College of Physicians and Surgeons may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation.

Special students will be required to present to the Committee on Admission before entrance evidence of (*a*) an adequate preliminary education, and (*b*) special fitness for the particular work they desire to pursue.

REQUIREMENTS FOR GRADUATION

Every candidate in the four-year course will be required before admission to the degree of M.D.:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.

2. To present evidence of having complied with the requirements for admission.

3. To have attained to satisfactory standing in the required studies of the four years of the curriculum. See table, page 226.

4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.

No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the above clause.

The Degree of Master of Arts

The attention of students of Medicine is directed to Rule 10 of the Regulations for the Higher Degrees (page 181).

COURSE OF STUDY LEADING TO THE DEGREE OF M.D.

(A much more detailed summary will be found in the special *Announcement of the College of Physicians and Surgeons*)

First Year	Second Year	Third Year	Fourth Year
Physics 3–4 and 1–2 *	Anatomy 51–52, 59–60, 61–62, 63–64, and 65	Pharmacology, Materia Medica, and Therapeutics 51, 52, 55–56	Pharmacology, Materia Medica, and Therapeutics 51, 52, 53–54
General Chemistry 51 *	Physiology 108	Practice of Medicine 51–52,[1] 53–54,[1] 57–58, 63–64	Practice of Medicine 51–52,[1] 53–54,[1] 55–56, 59–60, 61–62
Anatomy 53–54, 55–56, 57–58, 66	Pathology 54	Neurology 51[1]	Neurology 51, 53–54
Histology and Embryology 51–52	Bacteriology and Hygiene 51	Surgery 55–56, 57–58, 67–68, 71–72, 73–74	Surgery 51–52, 53–54, 61–62, 63–64, 66, 71–72, 73–74
Physiology 109	Pharmacology, Materia Medica, and Therapeutics 57, 59–60, 61–62, 63–64	Obstetrics 51	Orthopedic Surgery 51, 52, 53–54, 58, 59–60
Physiological Chemistry 102	Obstetrics 53–54	Gynecology 52, 53	Obstetrics 55–56, 57–58
Examinations upon the work of the first year	Practice of Medicine 65–66, 67	Genito-Urinary Diseases 51–52, 53–54, 55–56	Gynecology 55–56, 57–58, 59–60
	Surgery 69–70	Ophthalmology 51–52, 53–54, 55–56	Dermatology 51, 53–54
	Examinations upon the work of the second year	Otology 51, 53–54	Diseases of Children 51, 52, 53–54, 58, 59–60
		Diseases of Children 52, 55–56, 57–58	Laryngology 52, 53–54, 55–56
		Clinical Pathology 52	*Examinations upon the work of the fourth year*
		Examinations upon the work of the third year	

* For 1906–07 only.

[1] In all subjects which are not completed in a single year, the instruction offered to a given student is different each year.

Consult the departmental statements (pp. 38–151) for:

(1) The scope of each course, the number of hours required for it, and the instructors giving it;
(2) Information regarding the courses open to special (graduate) students in medicine;
(3) Courses which may be counted towards the degrees of A.M. and Ph.D.

SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES

See page 430

EQUIPMENT AND COLLECTIONS

Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 38–151, and more fully in the *Announcement of the College of Physicians and Surgeons.*

REQUIREMENTS FOR LICENSE TO PRACTISE MEDICINE IN NEW YORK STATE

For information, see the *Announcement of the College of Physicians and Surgeons.*

SUMMER SESSION IN MEDICINE

Practical courses in medicine, varying from three to six weeks in length, for the benefit of practising physicians who desire opportunities for additional study and investigation, as well as for that of properly qualified students of medicine and surgery, are given from May until September of each year.

A general statement of the work offered will be found in connection with the statement of the Summer Session (see the Table of Contents), this volume, and a detailed announcement, showing the scope of each course, the conditions under which it is given, and the fee charged will be sent upon application to the Secretary of Columbia University, New York City.

Students who have satisfactorily completed the practical clinical courses in this Summer Session may be excused from equivalent courses (except Physical Diagnosis) required for the degree of M.D.

REGISTER OF STUDENTS

School of Medicine

FOURTH YEAR—CLASS OF 1907

ALLEN, THEODORE HENRY, A.B. 1903 ..... Montclair, N. J.
ANDERSON, CHARLES ALBERT ..... Dorchester, Mass.
BAECHLER, JULES, A.B. French American College 1903 ..... New York City
BASS, MURRAY HAROLD, A.B. 1903 ..... New York City
BOICE, HARRY WALDEMAR ..... New York City
BRIGGS, FREDERICK SUMNER, A.B. Univ. Vermont, 1904 ..... Brandon, Vt.
BROWN, SANGER ..... Bloomfield, Ont., Canada
CARTMELL, THEODORE MITHOFF, A.B. Kenyon 1903 ..... Lancaster, Ohio
CLASS, FRANKLIN MORRIS, A.B. Harvard 1903 ..... New York City
COHN, ROYAL MORRIS ..... Newark, N. J.
CROHN, BURRILL BERNARD, A.B. C. C. N. Y. 1902 ..... New York City
CROSS, JAMES BAILEY ..... Fultonville, N. Y.
DECKER, HARRY RYERSON, A.B. Princeton 1903 ..... Montclair, N. J.
DEDERER, ISAAC CARLETON, A.B. Cornell 1904 ..... New York City
DERBY, RICHARD, A.B. Harvard 1903 ..... New York City
DORSEY, JOHN JOSEPH ..... Ogdensburg, N. Y.
EGGERS, CARL FREDERICK AUGUST ..... New York City
ERLER, EUGENE WILLIAM, A.B. Rutgers 1903 ..... Newark, N. J.
ESPINOSA ANTONIO ..... Merida, Yucatan, Mexico
FABER, GUSTAVUS WILLIAM, A.B. Princeton, 1903 ..... Plainfield, N. J.
FOOT, NATHAN CHANDLER ..... Rye, N. Y.
FORSTOT, SAMUEL, A.B. C. C. N. Y. 1903 ..... New York City
FORT, JAY IRVING, A.B. 1903 ..... Newark, N. J.
FOUCAR, FREDERICK HULTMAN, A.B. 1904 ..... New York City
FULKERSON, LYNN LYLE, A.B. Syracuse 1903 ..... New York City
FUNK, MERTON LAYTON, A.B. 1904 ..... New York City
GIL, GIL JUVENAL, A.B. Antioquia 1901 ..... Medellin, Colombia, S. A.
GOLDBERG, ABRAHAM ..... Rockaway Beach, N. Y.
GRANBERRY, DENIS WEBB, A.B. Harvard 1899 ..... East Orange, N. J.
GRUDBERG, SIMON CHARLES, A.B. C. C. N. Y. 1903 ..... New York City
GUILE, HUBERT VIVIAN, B.S. Princeton 1903 ..... New York City
HARPER, PAUL TOMPKINS, Ph.B. Hamilton 1903 ..... Cohoes, N. Y.
HEDEMANN, FERDINAND FREDERICK ..... Honolulu, H. I.
HEIMAN, JACOB, A.B. C. C. N. Y. 1903 ..... New York City
HOFF, HOWARD CROSBY ..... New York City
HOGUET, JOSEPH PIERRE, A.B. Harvard 1903 ..... New York City
HOLT, ROLAND GORDON ..... Hudson, Mass.
HYMAN, DAVID ELLIOTT ..... New York City
JAFFE, HERMAN MEYER ..... Jersey City, N. J.
JAMES, HENRY, A.B. Yale, 1903 ..... Catonsville, Md.
JANEWAY, WILLIAM RICHARD, 2d, A.B. Princeton 1903 ..... New York City
KEATING, THOMAS SEBASTIAN ..... New York City
KEENEY, CADWELL BENSON, A.B. Princeton 1903 ..... Elizabeth, N. J.
KELLER, MORRIS DAVID, A.B. C. C. N. Y. 1903 ..... New York City

KNAPP, RICHARD EDWARD.....Hackensack, N. J.
KRAMER, HENRY FREDERICK.....New York City
KRANS, EDWARD SHEAFE, A.B. Bishop's College, Quebec, 1902.....New York City
LAMB, ALBERT RICHARD, A.B. Yale 1903.....Waterbury, Conn.
LAMBERSON, WILLIAM.....New York City
LARKIN, ARTHUR GABRIEL, A.B. St. Francis Xavier 1902.....New York City
LICHTENSTEIN, GEORGE, A.B. C. C. N. Y. 1899.....New York City
LUCAS, DANIEL RALPH.....Lafayette, Md.
Ph.G. Purdue 1901, B.S. 1903; A.M. Columbia 1906.
MCBAINE, RICHARD HIRAM, A.B. Missouri 1903.....Columbia, Mo.
MCCREADY, ROBERT LYNESS, Jr.....New York City
MANDELBAUM, HERBERT DAVID, A.B. 1903.....New York City
MILLER, GEORGE EDMUND, A.B. Hamilton 1903, A.M. 1906.....Utica, N. Y.
MILLER, LOUIS, A.B. C. C. N. Y. 1903.....New York City
MILLS, WILLIAM MERRILL, A.B. Washburn College 1903.....Topeka, Kan.
MIXSELL, RAYMOND BOILEAU, A.B. Princeton 1903.....Easton, Pa.
MOECKEL, CARL RICHARD.....Lawrence, Mass.
MORE, DAVID HUBBELL, Ph.B. Lafayette College 1903.....Bangor, Pa.
MUNKER, MAURICE JONES, A.B. 1904.....New York City
MURN, CHARLES JOSEPH, A.B. St. John's, Fordham, 1903.....Paterson, N. J.
NORTON, CHARLES WORTH.....San Francisco, Cal.
NORTON, HOWARD LEROY.....New Castle, Pa.
OPPENHEIMER, EDGAR DAVIDSON, A.B. 1904.....New York City
OWEN, MAYNARD SMITH, A.B. Ohio Wesleyan 1903.....Delaware, Ohio
PARTRIDGE, GEORGE WILLIAM, A.B. Univ. Rochester 1903.....New York City
PHELPS, GOUVERNEUR MORRIS, B.S. Harvard 1902.....New Rochelle, N. Y.
PHILLIPS, WALTER, A.B. Princeton 1902, A.M. 1903.....Alexandria, Pa.
POWERS, JOHN BREWER, A.B. Wake Forest College 1901, A.M. 1903..Wake Forest, N. C.
ROSE, MAURICE EDGAR, A.B. Univ. Mich. 1904.....New York City
RUHL, HENRY LOUIS, A.B. St. John's, Fordham, 1903, A.M. 1905..New York City
SCHILLER, ABRAHAM NATHANIEL, A.B. C. C. N. Y. 1903.....New York City
SCHWARTZ, LOUIS HERBERT, A.B. C. C. N. Y. 1901.....New York City
SLAUGHTER, WILLIAM HARRISON, Ph.B. Hamilton 1902.....Campbell Hall, N. Y.
SMITH, WALTER MONTY.....Glens Falls, N. Y.
SOPER, ARTHUR ELSWORTH.....Northport, N. Y.
SPELMAN, HARRY TUCKER.....Bayport, N. Y.
STILLMAN, ALFRED, 2d, A.B. Harvard 1903.....New York City
STILLMAN, RALPH GRIFFITHS, A.B. Yale 1903.....Rahway, N. J.
SULLIVAN, RAYMOND PETER AUGUSTINE.....New York City
A.B. Manhattan, 1903, A.M. 1906
SUTTON, WALTER STANBOROUGH, A.B. Kansas State 1900, A.M. 1901 Kansas City, Kan.
SWANN, ARTHUR WARTON A.B. Harvard 1903.....Stockbridge, Mass.
TAYLOR, CHARLES GOODMAN.....New York City
TERRIBERRY, WILLIAM KENNEY, A.B. Yale 1903.....Somerville, N. J.
TROTTER, JAMES PATTEN, A.B. 1904.....Yonkers, N. Y.
TWEDDELL, FRANCIS.....Great Neck, L. I.
UTLEY, FREDERICK BROWN, A.B. Yale 1903.....Gloversville, N. Y.
VAUGHAN, JOHN COLIN.....Newark, N. J.
WALL, JAMES PERCY, A.B. Millsaps 1899.....Jackson, Miss.
WALLENSTEIN, CHARLES ABRAHAM.....New York City
WEINGARTEN, FREDERICK SIMON, B.S. Univ. Chicago 1904.....New York City
WILENSKY, ABRAHAM OWEN, A.B. C. C. N. Y. 1903.....New York City
WOODS, EDWARD BIGELOW, B.S. Princeton 1903.....Pittsburg, Pa.
WOODS, THOMAS HENRY, Jr., A.B. St. Francis, Brooklyn, 1901.....New York City

Fourth Year—Class of 1907.....96

THIRD YEAR—CLASS OF 1908

Axelrad, Jacob, B.S. C. C. N. Y. 1902 ..... New York City
Baegel, Max ..... New York City
Baehr, George ..... New York City
Barnett, Nathaniel ..... New York City
Bates, Edwin Cassius ..... St. Stephen, N. B.
Blakely, Stuart Banyar, A.B. Hamilton 1903, A.M. 1906 ..... Otsego, N. Y.
Bloomgarden, Aaron Samuel ..... Bayonne, N. J.
Bowers, Wesley Creveling, A.B. Princeton 1904 ..... Washington, N. J.
Brenner, Edward Christopher, A.B. C. C. N. Y. 1904 ..... New York City
Brown, Francis Earl, B.S. Illinois Wesleyan 1903 ..... Los Angeles, Cal.
Brownell, Everett Garnsey, A.B. Union 1900 ..... Medford, Mass.
Burke, Rush Pearson ..... Montgomery, Ala.
B.Sc. Alabama Polytechnic Institute, 1903, M.Sc., 1904.
Burnett, Thomas Ward ..... Summit, N. Y.
Canto, Ysidro Herrera, B.S. Boston 1900 ..... Merida, Yucatan, Mexico
Carlucci, Gaston Arthur ..... New York City
Cassebeer, Alfred Frederick ..... Rochester, N. Y.
Cassini, Herman ..... Orange, N. J.
Coble, Morris Solomon, A.B. C. C. N. Y. 1902 ..... New York City
Commorato, John Ralph ..... New York City
Dudley, Lionell Elwood, A.B. Colby 1903 ..... Mapleton, Me.
Farrell, John Raymond ..... New York City
Feldman, Joel William ..... New York City
Fernandez, Francisco Maria y Hernandez ..... Bolondron, Matanzas, Cuba
B.S. Univ. Havana 1901
Folsom, Ralph Parker, A.B. Dartmouth 1897 ..... New York City
Fulda, Harry Christian ..... New York City
Furst, Sidney, B.S. C. C. N. Y. 1902 ..... New York City
Geist, Samuel Herbert, A.B. C. C. N. Y. 1904 ..... New York City
Gelb, Louis ..... New York City
Georgen, Clarence Belden ..... New York City
Graves, Arthur Coon ..... Adams Centre, N. Y.
Gray, John Henry ..... Port Murray, N. J.
Greenberg, Louis, B.S. C. C. N. Y. 1904 ..... New York City
Hangarter, Andrew Henry, A.B. ..... New York City
Canisius College, Buffalo 1904, A.M. 1906
Hayward, Vincent Sumner ..... New York City
Herbermann, Charles George, Jr., A.B. St. Francis Xavier 1904 ..... New York City
Humphreys, George Hoppin, Ph.B. Yale 1898 ..... New York City
Hunt, J. Jay ..... Bayonne, N. J.
Johnson, Travis James Augustus, A.B. C. C. N. Y. 1904 ..... New York City
Kleinberg, Samuel ..... New York City
Kramer, Isaac Golde B.S. C. C. N. Y. 1899 ..... New York City
Leber, Otto Herman, A.B. 1904 ..... Hoboken, N. J.
Levy, Isadore Jesse, Ph.B. Syracuse 1904 ..... Syracuse, N. Y.
Littenberg, Samuel Joshua, A.B. C. C. N. Y. 1904 ..... New York City
McCarthy, Charles Aloysius ..... Lawrence, Mass.
McClean, Cornelius Stafford ..... Newburgh, N. Y.
McCluskey, Richard John ..... Lowell, Mass.
Michailovsky, Benjamin, B.S. C. C. N. Y. 1899 ..... New York City
Monroe, Otho Lee, B.S. Ohio Wesleyan 1904 ..... Galion, Ohio
Nilsen, Arthur, A.B. Yale 1904 ..... New York City
Pershing, Cyrus Long, B.S. Princeton 1889 ..... Pottsville, Pa.
Porter, Charles Hunt, Jr., A.B. Harvard 1892 ..... Newport, R. I.
Ramsdell, Edwin George, A.B. 1905 ..... New York City.
Rawls, Percy Scott, B.S. Univ. Chicago 1903 ..... Indianapolis, Ind.

REED, DUDLEY BILLINGS, A.B. Oberlin 1903 ..... Madison, Wis.
ROBERTS, WILLIAM HAWLEY ..... Attleboro, Mass.
ROCKEY, PAUL ..... Portland, Ore.
ROOME, CLARENCE TYLEY, A.B. Oberlin 1904 ..... Berwyn, Ill
RUTLEDGE, WILLIAM CLOUD, A.B. Ohio Wesleyan 1903 ..... Duncan Falls, Ohio
SCHAEFFER, SAMUEL ..... New London, Conn.
SIBBEL, ARMIN JOSEPH, A.B. St. John's, Fordham, 1904 ..... New York City
SILLECK, WALTER MANDEVILLE, B.S. New York Univ. 1904 ..... New York City
SIMONS, IRVING, B.S. Vanderbilt 1904 ..... Nashville, Tenn.
SLOANE, FRANCIS JOHNSTON, A.B. Princeton 1904 ..... New York City
SOPER, WILLARD BURR, A.B. Yale 1904 ..... Bloomington, Ill.
STRONG, ARCHIBALD MCINTYRE, A.B. Princeton 1904 ..... New York City
STURTEVANT, MILLS GOVE, A.B. Dartmouth 1904 ..... Manchester, N. H.
TARBELL, FRANK WASHINGTON, A.B. Colby 1904 ..... Smyrna Mills, Me.
TEN BROOK, GLEN JOHN ..... Rockville. Ind.
TOMPKINS, GRENELLE BERTRAM, A.B. 1905 ..... Paterson, N. J.
TOUART, MAXIMIN DE MOUY, A.B. Spring Hill College 1903, A.M. 1905 ..... Mobile, Ala.
TURNER, PAUL AKERS, A.B. Amherst 1904 ..... Portland, Me.
VAIL, LEROY BENJAMIN, B.S. Dartmouth 1904 ..... New York City
WARD, WILLIAM TRULOCK ..... Willard City, Utah
WARING, ANTONIO JOHNSTON, A.B. Yale 1903 ..... Savannah, Ga.
WESSLER, HARRY, A.B. C. C. N. Y. 1902 ..... New York City
WHIPPLE, ALLEN OLDFATHER, B.S. Princeton 1904 ..... Duluth, Minn.
WHITNEY, GEORGE CROSIER, A.B. Rochester 1904 ..... Rochester, N. Y.
YERINGTON, HENRY HERBERT ..... Carson City, Nev.
ZELAYA, ANIBAL ..... Managua, Nicaragua, C. A.

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SECOND YEAR—CLASS OF 1909

ADAMS, PHINEAS HILLHOUSE, A.B. Harvard 1905 ..... New York City
AMES, JAMES SIDNEY, Ph.B. Wesleyan 1905 ..... Binghamton, N. Y.
AYRES, DANIEL ROE, A.B. Harvard 1905 ..... Montclair, N. J.
BENDICK, ARTHUR JEROME ..... New York City
BENTON, NELSON KINGSBURY, A.B. 1906 ..... Newark, N. J.
BLOCK, ALVIN PHILLIP ..... New York City
BLUM, HUGO ..... New Brunswick, N. J.
BRADSHAW, WILLIAM, M., A.B. Princeton 1905 ..... New York City
BULKLEY, KENNETH, A.B. 1906 ..... New York City
BURNAP, SIDNEY ROGERS, Jr., A.B. Yale 1905 ..... Windsor Locks, Conn.
CAMPBELL, FRANCIS WILLIAM, A.B. St. John's, Brooklyn, 1905 ..... New York City
CASEY, JOHN FRANCIS ..... New London, Conn.
CHILD, FRANK SAMUEL, Jr., Ph.B. Hamilton 1903, Ph.M. 1906 ..... Fairfield, Conn.
COHN, SIDNEY, A.B. C. C. N. Y. 1905 ..... New York City
COWHERD, JOSEPH BIRD, B.S. Central University 1905 ..... Shelbyville, Ky.
DEVENDORF, FREDERICK CHRISTOPHER, B.S. St. Lawrence 1905 ..... Herkimer, N. Y.
ECHEVERRIA, FREDERICK JOHN, A.B. 1905 ..... New York City
EHRENREICH, SAMUEL ..... New York City
ELLIOTT, EDSALL DUBOIS, A.B. 1906 ..... Catskill, N. Y.
EMSHEIMER, HERBERT, A.B. 1906 ..... Wheeling, W. Va.
ENGLISH, JOHN THEODORE, Ph.B. Lafayette 1905 ..... Elizabeth, N. J.
EVANS, EDWARD RICHARD, A.B. Hamilton 1905 ..... Remsen, N. Y.
EVANS, JOHN HINMAN, A.B. 1906 ..... Montclair, N. J.
FAUVER, EDGAR, A.B. Oberlin 1899 ..... Oberlin, Ohio
FAUVER, EDWIN, A.B. Oberlin 1899 ..... Oberlin, Ohio
FINDEISEN, WILLIAM ERNST ..... New York City
FOSHAY, JOHN RUSSELL ..... Peekskill, N. Y.
FOWLER, ROBERT HENRY, A.B. 1906 ..... New York City

FUHRMAN, HERMAN CHARLES ..... New York City
FULTON, CLIFFORD HARRY, A.B. Williams 1905 ..... New York City
GOSSETT, ABRAHAM JOSEPH ..... New York City
HALE, FRARAY, Jr., B.S. Amherst 1905 ..... Wallingford, Conn.
HEATON, DWIGHT RUGGLES PERRY, A.B. Yale 1906 ..... Riverdale-on-Hudson, N. Y.
HEWITT, RALPH HALLADAY, A.B. Amherst 1905 ..... New London, Conn.
HOFHEIMER, ALEXANDER, A.B. C. C. N. Y. 1905 ..... New York City
HUSTON, HENRY WILLIAM, A.B. Princeton 1902 ..... New York City
HYDE, CLARENCE ELMER, A.B. Stanford 1905 ..... Cupertino, Cal.
JANVRIN, EDMUND RANDOLPH PEASLEE, A.B. Princeton 1905 ..... New York City
JOHNSON WILLIAM CLINTON, A.B. Williams 1905 ..... Summit, N. J.
KRAUSS, FLETCHER IRVIN, A.B. 1906 ..... East Orange, N. J.
KUTSCHER, SAMUEL ..... Stapleton, S. I., N. Y.
LANCER, JOHN JOSEPH ..... New York City
LAVAKE, RAE THORNTON, A.B. Yale 1905 ..... Rosebank, S. I., N. Y.
LAVANDERA, MIGUEL ..... Vega de Rivadeo, Spain
LYMAN, GEORGE DUNLAP, A.B. Stanford 1905 ..... Los Angeles, Cal.
LYON, DARWIN OLIVER ..... Mt. Vernon, N. Y.
MANDEVILLE, FRANK NESLER, Ph.B. Brown 1905 ..... Newark, N. J.
MAYER, LEO, A.B. Harvard 1905, A.M. 1906 ..... New York City
MCDONALD, JOHN OLIVER, A.B. Princeton 1905 ..... Englishtown, N. J.
MORRIS, DUDLEY HENRY, A.B. 1905 ..... New York City
MOTT, WALTER WESLEY, A.B. 1905 ..... New York City
OLSAN, HIRAM, Ph.B. Univ. Rochester 1905 ..... Rochester, N. Y.
PARDEE, HAROLD ENSIGN BENNETT, A.B. 1906 ..... New York City
PATON, FRED WADE, A.B. Hamilton 1905 ..... Bradford, Pa.
POPPER, JOSEPH ..... New York City
RAINSFORD, LAURENCE FREDERICK, A.B. Harvard 1904 ..... New York City
RANSON, ALONZO AINSWORTH, A.B. Rutgers 1901, A.M. 1904 ..... Havana, Ill.
RICHARDSON, CHARLES HYATT, Jr., Ph.B. Emory 1904 ..... Montezuma, Ga.
ROSENBLOOM, JACOB, B.S. Western Univ. Penn. 1905 ..... Braddock, Pa.
ROSENSOHN, MEYER,, B.S. C. C. N. Y. 1901 ..... New York City
ROSENTHAL, LEO BROOKS, A.B. 1906 ..... New York City
SAYLE, HARVEY RODOLPH, B.S. New York Univ. 1904 ..... New York City
SCHAIE MILTON ..... New York City
SMITH, FRANK CARLIER ..... New York City
ST. JOHN, FORDYCE BARKER, B.S. Princeton 1905 ..... Hackensack, N. J.
STEINER, STANLEY HAROLD, A.B. 1906 ..... New York City
STORK, VICTOR EYTINGE, A.B. Stanford 1905 ..... Seattle, Wash.
SULLIVAN, ARTHUR GEORGE ..... Eau Claire, Wis.
VINA, TOMAS ANTONIO Y ALMAZAN ..... Santiago de Cuba, Cuba
WADE, SIMON FRANKLIN, A.B. Princeton 1905 ..... Hackettstown, N. J.
WALTHER, JOHN WOODWARD ..... Astoria, L. I. N. Y.
WARD, HERBERT COOPER, Ph.B. Wesleyan 1901, M.S. 1903 ..... Glenwood, Iowa
WARDNER, DREW MALLON ..... Pelham Manor, N. Y.
WEST, DAVENPORT, A.B. Princeton 1905 ..... Galveston, Texas
WHITE, JOHN LAURENCE, A.B. St. Francis Xavier 1899, A.M. 1900 .. Perth Amboy, N. J.
WIESELTHIER, MAURICE LOUIS, A.B. C. C. N. Y. 1905 ..... New York City
WILKERSON, FRED WOOTEN ..... Montgomery, Ala.
WRONKER, BENNO MAURICE, A.B. 1906 ..... New York City
YERGASON, ROBERT MOSELEY ..... Hartford, Conn.
ZIMMERMANN, HARRY BERNARD ..... St. Paul, Minn.

Second Year—Class of 1909 80

FIRST YEAR—CLASS OF 1910

ANGELICOLA, ERNESTO FEDERICO ..... Jamaica, L. I.
BAUMANN, OSCAR ISRAEL, A.B. C. C. N. Y. 1906 ..... New York City
BECK, DAVID ..... New York City

BELLER, ABRAHAM JACOB, B.S. C. C. N. Y. 1906.....New York City
BENDER, THEODORE.....Paterson, N. J.
BENJAMIN, EDWARD LEONARD..... New York City
BLABER, MURTHA PAUL, A.B. St. Francis 1906..... New York City
BLUM, JULIUS, A.B. 1906.....New York City
BROWN, FREDERICK LANE, A.B. Princeton 1905.....Somerville, N. J.
CAMPUS, ELLIS, B.S. C. C. N. Y. 1906..... New York City
CARBER, FRANK HOUGH.....Newton, N. J.
COHEN, HAROLD AARON, B.S. C. C. N. Y. 1906..... New York City
COHEN, SAMUEL, A.B. C. C. N. Y. 1906..... New York City
COLE, PHILIP GILLETT.....Helena, Mont.
DAVIDSON, HARRY..... New York City
DENTON, THEODORE LINN, A.B. Williams 1902.....New Hampton, N. Y.
DIETERICH, FREDERICK HENRY..... New York City
DONNELLY, JOSEPH EDWARD, A.B. St. Francis Xavier 1903..... New York City
ESSIG, FRANK THEODORE.....Newark, N. J.
FALKOWITZ, HENRY CHARLES..... New York City
FALVELLO, NICHOLAS ANTHONY, A.B. St. Francis 1906 ..... New York City
FELDSTEIN, GEORGE MOSES..... Kolmsk, Russia
FORD, JAMES SMITH.....Newark, N. J.
FORMAN, ALFRED GILBERT..... New York City
FREEMAN, ANTHONY CURT, A.B. Stanford 1906.....Chicago, Ill.
FRIEDSON, MORRIS, A.B. C. C. N. Y. 1902..... New York City
FURMAN, BENJAMIN APPLEGATE, A.B. Princeton 1906.....Newark, N. J.
GOLDBERG, VICTOR, B.S. C. C. N. Y. 1906..... New York City
GOODFRIEND, HARRY..... New York City
GOODWIN, NELSON ALOYSIUS.....New York City
GOTTLIEB, ABRAHAM.....Riga, Russia
HENRY, PAUL.....Geneva, N. Y.
HILDRETH, WILLIAM WARREN, A.B. Princeton 1906.....Southampton, L. I.
HOYT, RANDAL EDWARD, B.S. Princeton 1905.....St. Louis, Mo.
HUBBARD, THOMAS BRANNON, A.B. Washington and Lee 1906....Montgomery. Ala.
ILL, EDGAR ALEXANDER, B.S. Princeton 1906 .....Newark, N. J.
JACKSON, JAMES ALBERT, Jr..... Madison, Wis.
KLEIN, GROVER CLEVELAND, B.S. Austin College 1906..... Sherman, Texas
LEBENDIG, ABRAHAM.....Rochester, N. Y.
LONG, WILLIAM BAYARD.....Spring Lake, N. J.
LUPTON, EDMUND RUTAN, A.B. Yale 1906..... Mattituck, L. I.
MCALPIN, KENNETH ROSE, A.B. Princeton 1905, A.M. 1906..... Ossining, N. Y.
MCBURNEY, MALCOLM, A.B. Harvard 1906.....New York City
MCCHESNEY, PAUL ELY, A.B. Yale 1907 ..... Greenwich, Conn.
MCCREERY, JOHN ALEXANDER, A.B. Harvard 1906 .....New York City
MCKAY, WALTER WYATT, A.B. Oberlin 1905.....Sharon, Pa.
MIXSELL, HAROLD RUCKMAN, A.B. Princeton 1906.....Easton, Pa.
MOORE, FRANCIS WILLIAM, Jr.....New York City
MYRICK, PRESTON REED .....Sherman, N. Y.
NEERGAARD, ARTHUR EDWIN, A.B. Yale 1904.....Concord, N. H.
PASCALE, VINCENZO..... New York City
PERKINS, EDWARD CARTER, A.B. Yale 1898.....Yonkers, N. Y.
REED, HOWARD BECK, B.S. Princeton 1906..... Seabright, N. J.
REIDY, MAURICE JOSEPH..... .....Winsted, Conn.
RIDGE, FRANK ISAAC.....Kansas City, Mo.
ROSENBAUM, CHARLES..... New York City
ROSS, CARL THORBURN, A.B. Stanford 1906.....Astoria, Ore.
RUNDLE, BENNET SEELY, A.B. Harvard 1906..... Port Jervis, N. Y.
SCHMUESER, CHARLES HENRY..... New York City
SCHULZ, JULIUS GEORGE, A.B. New York Univ. 1902.....Mt. Vernon, N. Y.

SOLOMON, IRWIN LEAVY, A.B. C. C. N. Y. 1906..... New York City
STAFFORD, JOHN ALOYSIUS, A.B. Seton Hall 1906..... Paterson, N. J.
STEHL, HARRY JACOB..... New York City
SWEENEY, MORRIS MOTT, B.S. Colgate 1903..... Hamilton, N. Y.
SWICK, DAVID AARON, B.S. C. C. N. Y. 1899..... New York City
SWIFT, PERCY EDWARD..... New York City
TERRY, ARTHUR HUTCHINSON, Jr. A.B. Yale 1906 .....Patchogue, L. I.
TOOKER, NORMAN BROWN, A.B. Princeton 1906..... East Orange, N. J.
UTTER, HENRY EDWIN, A.B. Amherst 1906.....Westerly, R. I.
VAN ETTEN, ROYAL CORNELIUS, A.B. Amherst 1906.....Rhinebeck, N. Y.
WALKER, RAYMOND..... Edgartown, Mass.
WARREN, EDMUND LEVINGS.....St. Paul, Minn.
WEBSTER, DAVID HENRY, A.B. Acadia 1906.....Cambridge Station, Nova Scotia
WEINGART, JULIUS SHAW, A.B. Tarkio 1905.....Clearfield, Iowa
WHITE, RALPH LEWIS.....Sloatsburg, N. Y.
WHITEHEAD, HENRY ST. CLAIR.....Port Chester, N. Y.
WIENER, HERBERT JOSEPH, A.B. Harvard 1906.. ..... New York City
WILDS, ROBERT HENRY, B.S. Univ. of South Carolina 1904..... Columbia, S. C.
WORCESTER, JAMES NEWBEGIN, A.M. Amherst 1906..... Bloomfield, N. J.

First Year—Class of 1910..... 79

NON-MATRICULATED (Special Students)

ALLISON, WILMER LAWSON, M.D. Univ. of Texas 1902.....San Antonio, Texas
BARBARI, NASIB DAVID, M.D. American Medical College, Syria, 1892.. New York City
BIBBY, HARRY LAMBERT.....Paterson, N. J.
COAN, THOMAS PATRICK.....Baltimore, Md.
CURRY, GROVE PRICE MITCHELL, M.D. New York Univ. 1892.. .... Mt. Kisco, N. Y.
GREENWOOD, JAMES, Jr., M.D. Univ. of Texas 1901.....San Antonio, Texas
TOMKIES, JAMES SCOTT, A.B. Tulane 1903.....Cameron, Texas

Specials..... 7

SUMMARY

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Juniors and Seniors from Columbia College.....		6
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THE SCHOOLS OF MINES, CHEMISTRY, AND ENGINEERING

The Faculty of Applied Science

Officers of the Faculty

GEORGE F. SEVER, M.Sc. ..... *Acting Dean and ex-officio Member of the University Council*
FREDERICK ARTHUR GOETZE, M.Sc. ..... *Dean* (Jan. 1, 1907)
RALPH EDWARD MAYER, C.E. ..... *Secretary*
HENRY S. MUNROE, E.M., Ph.D., Sc.D. ..... *Elected Delegate to the University Council*

Standing Committees

COMMITTEE ON ADMINISTRATION: Professors Sever (Chairman), Van Amringe, Hutton, Bogert, Peele.

COMMITTEE ON ADMISSIONS: Professors Maclay (Chairman), Mayer, Luquer Stoughton, and Tucker.

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.), *President*
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D. ..... *Professor of Mathematics*
CHARLES F. CHANDLER, Ph.D., M.D., LL.D., Sc.D. .. *Mitchill Professor of Chemistry*
HENRY S. MUNROE, E.M., Ph.D., Sc.D. ..... *Professor of Mining*
FREDERICK R. HUTTON, E.M., Ph.D., Sc.D. ... *Professor of Mechanical Engineering*
ALFRED J. MOSES, E.M., Ph.D. ..... *Professor of Mineralogy*
JAMES F. KEMP, A.B., E.M., Sc.D. ..... *Professor of Geology*
ROBERT PEELE, E.M. ..... *Professor of Mining*
WILLIAM HALLOCK, Ph.D. ..... *Professor of Physics*
FRANCIS B. CROCKER, E.M., Ph.D. .. *Professor of Electrical Engineering*
MICHAEL I. PUPIN, Ph.D., Sc.D. ..... *Professor of Electro-Mechanics*
WILLIAM H. BURR, C.E. ..... *Professor of Civil Engineering*
THOMAS SCOTT FISKE, Ph.D. ..... *Professor of Mathematics*
HAROLD JACOBY, Ph.D. ..... *Professor of Astronomy*
HENRY M. HOWE, A.M., S.B., LL.D. ..... *Professor of Metallurgy*
CHARLES E. PELLEW, E.M. ..... *Adjunct Professor of Chemistry*
EARL B. LOVELL, C.E. ..... *Adjunct Professor of Civil Engineering*

CHARLES R. RICHARDS, B.S. . . *Professor of Manual Training in Teachers College*
GEORGE FRANCIS SEVER, M.Sc. . . . . *Professor of Electrical Engineering*
JAMES MACLAY, Ph.D. . . . . *Professor of Mathematics*
[1] EDMUND HOWD MILLER, Ph.D. . . . . *Professor of Analytical Chemistry*
MARSTON TAYLOR BOGERT, A.B., Ph.B. . . . . *Professor of Organic Chemistry*
J. LIVINGSTON RUTGERS MORGAN, Ph.D. . . . . *Professor of Physical Chemistry*
AMADEUS W. GRABAU, S.D. . . . . *Professor of Palæontology*
RALPH EDWARD MAYER, C.E. . . . . *Adjunct Professor of Mechanical Drawing*
IRA H. WOOLSON, E.M. . . *Adjunct Professor of Mechanical Engineering*
CASSIUS JACKSON KEYSER, Ph.D. . . . . *Adrain Professor of Mathematics*
HERSCHEL C. PARKER, Ph.B. . . . . *Adjunct Professor of Physics*
GEORGE L. MEYLAN, A.M., M.D. . . . . *Adjunct Professor of Physical Education*
LEA MCILVAINE LUQUER, Ph.D. . . . . *Adjunct Professor of Mineralogy*
BRADLEY STOUGHTON, B.S. . . . . *Adjunct Professor of Metallurgy*
[2] JAMES S. C. WELLS, Ph.D. . *Adjunct Professor of Analytical Chemistry*
JOSEPH C. PFISTER, A.M. . . . . *Adjunct Professor of Mechanics*
HENRY CLAPP SHERMAN, Ph.D. . . . . *Adjunct Professor of Analytical Chemistry*
ALBERT P. WILLS, Ph.D. . . . . *Adjunct Professor of Mechanics*
SAMUEL A. TUCKER, Ph.B. . . . . *Adjunct Professor of Electro-Chemistry*
CHARLES E. LUCKE, Ph.D. . . . . *Adjunct Professor of Mechanical Engineering*
ADOLPH BLACK, C.E. . . . . *Adjunct Professor of Civil Engineering*
WALTER RAUTENSTRAUCH, M.S. . . . . *Adjunct Professor of Mechanical Engineering*

COURSES

The Faculty of Applied Science has charge of the following schools:

The SCHOOL OF MINES, with four-year courses leading to the degrees of Engineer of Mines and Metallurgical Engineer.

The SCHOOL OF CHEMISTRY, with four-year courses leading to the degrees of Chemist and Chemical Engineer.

The SCHOOLS OF ENGINEERING, with four-year courses in Civil Engineering, Sanitary Engineering, Electrical Engineering, and Mechanical Engineering, the first two leading to the degree of Civil Engineer, and the others to the degree of Electrical Engineer and Mechanical Engineer, respectively.

These courses are intended to meet the requirements of the several professions indicated. Many of the courses permit a certain amount of specialization, particularly in the fourth year.

[1] Died, November 8, 1906.
[2] Absent on leave.

ADMISSION

The Committee on Admissions of the Schools of Applied Science has charge of everything relating to this subject. Candidates for admission to the first-year class must be at least eighteen years of age at the time of matriculation. For further regulations see Admission to Columbia College, page 185.

Collegiate Preparation Recommended

The attention of students of engineering is called to the new program of studies in Columbia College by which it becomes to the advantage of the student to enter these Schools through Columbia College, rather than direct from the secondary school. Under the terms of the new program (see page 189), students entering the Schools of Applied Science with advanced standing through Columbia College may receive both a collegiate and a professional degree in five, five and a half, or six years, depending upon the capacity of the student. As students may and do enter the College two years earlier than they enter the professional schools, they will be able by taking this combined course of study to obtain the professional degree at the same age as though they entered the professional school in the first instance at the present average age. This combined course is strongly recommended, for the reason that engineers and chemists, as professional men, need the liberal training offered by a collegiate course quite as much as do lawyers, physicians, or clergymen.

Without sacrificing the necessary elements of a liberal education, the widest opportunity for elective work in science is offered in the curriculum of the College, which will permit the student to pursue almost any desired line of study, and to specialize in it to almost any desired extent. A properly chosen course of study in the College will thus fit students for advanced work and original investigation, and is recommended to those intending to become candidates for higher degrees.

For details, see the Announcement of Columbia College, which will be sent on application to the Secretary of the University.

Minimum Requirements for Admission

Every candidate for admission to the first-year class must offer at the entrance examinations (see below) subjects amounting to sixteen "points." The points here represent the number of years, at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

The candidate *must* offer:

	COUNTING IN POINTS
Chemistry	1
Freehand Drawing	1

	COUNTING IN POINTS
English	3
Elementary German	2
Elementary History	2
Elementary Physics	1
Mathematics, elementary and advanced	4

and two points from one of the following subjects:

Elementary French	2
Elementary Latin (see note, page 166)	2
Spanish	2

For information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, the acceptance of certificates, examinations outside of New York, application blank, and examination fees, see pages 152–175.

Entrance with Conditions

Except for reasons of weight no student will be admitted who is deficient in Mathematics, Chemistry, or Physics.[1]

Admission to Advanced Standing

Candidates for admission from other universities or colleges, and those desiring to be admitted to advanced standing on examination, must make application in writing to the Chairman of the Committee on Admissions of the Schools of Applied Science in time to reach him before September 10, 1907.

The application must be accompanied by:

1. A catalogue of the institution for work in which credit is desired. The courses which the candidate has completed must be distinctly marked in this catalogue.
2. Properly certified official statements of his standing in the subjects which he offers.
3. Letters or other evidence vouching for his character and honorable dismissal from the institution from which he comes.

Each candidate for a degree seeking admission to advanced standing must show that he has attained proficiency in the equivalents of:

1. The requirements for admission to the first-year class.
2. All the prescribed studies already pursued by the class to which he seeks admission.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for a professional degree until he shall have completed all the studies required for that degree.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15 in any year.

[1] It is suggested that candidates deficient in one or more of these subjects in June arrange to take courses in them in the Summer Session of Columbia University, the Announcement of which will be sent upon application to the Secretary of the University.

The Committee on Admissions will notify the candidate by mail at the address given in his letter, between September 9 and 14, 1907,[1] what courses, of those offered, are accepted as equivalent to courses at Columbia University. The Committee gives credit for complete courses only. In cases where the work previously done by the candidate has not been accepted by the Committee, the candidate may present himself for examination during the week immediately preceding the opening of the University, in 1907, September 16–21, at the times and places at which the regular fall examinations are held. When no examination is held for the course at this time, the candidate may present himself for examination between the hours of 10 A.M. and 12 M. at the office of the head of the department giving the course. The schedule of fall examinations is to be obtained from the Registrar. A fee of $5 is charged for these examinations, for all applicants who do not take them at the regular time.

In cases where credit for part of a course might be given, the candidate will present his case to the department concerned, at the times given above, for final adjustment. He should bring with him drawings, note-books, or other evidence showing the scope and character of the work for which he wishes credit.

Admission to Special Courses

Graduates of the Schools of Applied Science and of other institutions of equal grade may pursue any subjectst aught in the schools for which they are properly qualified.

Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others. For the general regulations as to non-matriculated students, see corresponding section on page 187.

Registration and Fees

(See page 25, *et seq.*)

Fellowships and Scholarships

(See page 433)

Rules Governing Students

1. A student cannot be a candidate for more than one professional degree at the same time.

2. A candidate for a degree must comply with all requirements in force at the time said degree is conferred.

3. A student will be permitted to substitute one subject for another

[1] When the candidate is at a considerable distance from the University, his application must be made earlier than September in order that he may receive the reply in time to present himself at the University on September 16, 1907.

provided he obtains the consent of the Dean, the heads of departments concerned, and the head of the department giving the technical instruction leading to the degree.

4. A student absent from more than one-tenth of the required exercises will be debarred from examination in that subject. Exceptions may be made by the instructor for reasons of weight when the absences do not exceed one-fourth the total number of exercises.

5. After examinations have been held, officers shall send to the Registrar a list of all students who have attended their courses, indicating proficiency by numbers on a scale of 10, a mark below 6 signifying a failure to pass. Students' records will be sent to them by the Registrar at the close of each year.

6. A student who has failed in any subject shall not be permitted to take advanced studies for which such failure indicates a lack of necessary preparation.

7. Regular examinations may be held at the end of the 1st and 2d term or both, or at the completion of any course.

8. Special examinations for students debarred or deficient at regular examinations shall be held during the two weeks in September preceding the opening of the next following academic year; and for members of the fourth class, in subjects belonging to that year only during the first week in May. In all special examinations, a mark of 7 is required to pass.

9. The fee for special examination is $5.00, which must be paid before admission to examinations. If a student have special examinations in several subjects (during the same examination period), only a single fee of $5 shall be paid.

10. A student failing to pass in any subject at the regular examinations must present himself for special examination as provided under 8.

Failing to pass the second examination, he must repeat the subject with the next class. Failing a third time to pass a satisfactory examination he shall be dropped from the roll of the School.

11. Absence from any regular or special examination provided for in Rules 7 and 8 shall count as a failure unless excused by the Dean for reasons of weight.

12. A student shall be enrolled in the class in which the majority of his hours are taken; provided, however, that no student shall be advanced from the first to the second class who has entrance conditions aggregating 4 points; no student shall be advanced to the third class who has any entrance conditions or any deficiencies of the first year; no student shall be advanced to the fourth class who has any deficiency in the third year.

13. Any student who shall have passed a satisfactory examination in Columbia College in any subject forming a part of one of the pro-

fessional courses in the School of Applied Science will not be required to pursue that subject a second time.

14. During vacations following the close of each year, memoirs on assigned subjects must be prepared by students in the course of Metallurgy, Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, and Chemistry (see Departmental Statements, pages 38–151). The time specified for the completion and handing in of memoirs is the first Monday in November.

A student failing to hand in his memoir, drawings or other summer work shall be considered to have failed; to have his work received later, he will be obliged to pay a fee of $5.00, as for a special examination.

15. By permission of the Dean, and concurrence of the heads of departments concerned, a student may attend subjects not required for his degree, provided such attendance does not interfere with his regular work. He must fulfill all the requirements exacted from regular students in such course.

Equipment and Collections

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows:

Chemistry, page 53.
Civil and Sanitary Engineering, page 59.
Electrical Engineering, page 76.
Geology, page 83.
Mechanical Engineering, page 105.
Metallurgy, page 108.
Mineralogy, page 110.
Mining, page 111.
Physics, page 133.

Chemical and Assay Apparatus

(See page 57)

OUTLINE OF PROFESSIONAL COURSES OF STUDY

(For details as to each course of study see the Departmental Statements, pages 38–151 of this volume.)

COURSE IN CIVIL ENGINEERING

First Class	Second Class	Third Class	Fourth Class
Botany 7	Chemistry 81–82	Astronomy 105–106	Astronomy 109
Chemistry 3–4	Civil Engineering 21	Civil Engineering 51–52	Civil Engineering 75
Chemistry 61–62	Elec. Engineering 1	Civil Engineering 53–54	Civil Engineering 79
Civil Engineering 4	Elec. Engineering 2	Civil Engineering 55–56	Civil Engineering 85
Mathematics 2	Geology 18	Civil Engineering 57–58	Civil Engineering 87–88
Mathematics 3–4	Mathematics 5–6	Civil Engineering 59	Civil Engineering 89–90
Mechanics 9	Drawing 5–6	Civil Engineering 61	Civil Engineering 94
Drawing 1–2	Drawing 7–8	Civil Engineering 62	Civil Engineering 96
Drawing 3–4	Mech. Engineering 63–64	Elec. Engineering 68	Civil Engineering 98
Shopwork 1–2	Mechanics 102	Elec. Engineering 72	Civil Engineering 100—Thesis
Physics 4	Mechanics 9	Mech. Engineering 12	Mech. Engineering 13–14
Physical Education A	Metallurgy 4	Mechanics 101	Mech. Engineering 24
Summer Work:	Mineralogy 5	Mechanics 106	Mech. Engineering 71
Civil Engineering 15 (five weeks)	Physics 43–44, Lab.	Summer Work:	
	Physical Education B	Astronomy 107	
	Summer Work:	Civil Engineering 71 (four weeks)	
	Civil Engineering 25 (five weeks)		
	Civil Engineering 26 (two weeks)		

First Class	Second Class	Third Class	Fourth Class
Chemistry 3–4	Chemistry 66	Chemistry 69	Civil Engineering 76
Chemistry 61–62	Chemistry 81–82	Civil Engineering 53–54	[1] Geology 201–202
Civil Engineering 1–2	Civil Engineering 23	Civil Engineering 55–56	Geology 110
Mathematics 2	Elec. Engineering 1	Civil Engineering 64	[2] Geology 16
Mathematics 3–4	Elec. Engineering 2	Elec. Engineering 68 and 72	[2] Mech. Engineering 13–14
Mechanics 9	Geology 103–104	Geology 105–106	[2] Mech. Engineering 24
Drawing 1–2	Mathematics 5–6	Geology 4	Mech. Engineering 71
Mineralogy 1–2	Drawing 3–4	Mech. Engineering 69	Mechanics 7
Physics 4	Drawing 7–8	Mech. Engineering 76	Metallurgy 3a
Physical Education A	Mechanics 102	Mechanics 101	Metallurgy 3b
Summer Work:	Mechanics 9	Metallurgy 1	[2] Metallurgy 71–74
Civil Engineering 15 (five weeks)	Physics 43, Lab.	Metallurgy 2a	Mining 55
	Physical Education B	Metallurgy 2b	Mining 56
	Summer Work:	Mining 51	Mining 71–72
	Civil Engineering 27 (five weeks)	Mining 52	Mining 75
	Civil Engineering 28 (four weeks)	Mining 54	Mining 77–78—Thesis
		Mining 70	Mining 80
		Mineralogy 6	Mining 81–82
			Mining 82a
			Mining 91–92
			Mining 94

[1] Geological option.

[2] Mining option.

COURSE IN METALLURGICAL ENGINEERING

First Class	Second Class	Third Class	Fourth Class
Chemistry 3–4	Chemistry 163–164	Chemistry 69	Chemistry 121–122
Chemistry 61–62	Drawing 7–8	Civil Engineering 53–54	Chemistry 167–168
Civil Engineering 1–2	Electrical Engineering 1	Civil Engineering 55–56	Mech. Engineering 13–14
Mathematics 2	Electrical Engineering 2	Civil Engineering 64	Mech. Engineering 71
Mathematics 3–4	Geology 103–104	Elec. Engineering 68	Mech. Engineering 24
Mechanics 9	Geology 4	Elec. Engineering 72	Metallurgy 3
Drawing 1–2	Mathematics 5–6	Geology 105–106	Metallurgy 53
Mineralogy 1–2	Mechanics 102	Drawing 3–4	Metallurgy 55
Physics 4	Mechanics 9	Mechanics 101	Metallurgy 77–78
Physical Education **A**	Metallurgy 4	Mechanics 106	Mining 81–82
Summer Work:	Metallurgy 54	Mech. Engineering 7	Mining 82a
Civil Engineering 15 (five weeks)	Mineralogy 6	Mech. Engineering 12	Mining 91–92
	Physics 43, Lab.	Metallurgy 1	
	Physical Education **B**	Metallurgy 2	
	Summer Work:	Metallurgy 51	
	Civil Engineering 27 (five weeks)	Metallurgy 52	
		Metallurgy 104	
		Metallurgy 171–174	
		Mining 54	
		Mining 70	

COURSE IN MECHANICAL ENGINEERING

First Class	Second Class	Third Class	Fourth Class
Chemistry 3–4	Chemistry 81–82	Elec. Engineering 73	Elec. Engineering 75
Chemistry 61–62	Electrical Engineering 1	Elec. Engineering 101	Elec. Engineering 103
Mathematics 2	Electrical Engineering 2	Elec. Engineering 104	Elec. Engineering 105
Mathematics 3–4	Mathematics 5–6	Shopwork 53	Mech. Engineering 15
Mechanics 9	Drawing 5–6 (a)	Mech. Engineering 7–8	Mech. Engineering 19–20
Drawing 1–2 (a, b, c)	Drawing 7–8	Mech. Engineering 13–14	Mech. Engineering 21–22
Drawing 3–4	Mech. Engineering 6	Mech. Engineering 17–18	Mech. Engineering 24
Shopwork 1–2	Mech. Engineering 11	Mech. Engineering 31–32	Mech. Engineering 25–26
Physics 4,	Shopwork 3–4	Mech. Engineering 35–36	Mech. Engineering 33
Physical Education **A**	Mechanics 102	Mech. Engineering 37	Mech. Engineering 51–52
	Mechanics 9	Mech. Engineering 39–40	Thesis
	Metallurgy 4	Mech. Engineering 41–42	
	Physics 43–44, Lab.	Mech. Engineering 46	
	Physical Education **B**	Mech. Engineering 54	
		Mechanics 101	
		Mechanics 106	

COURSE IN ELECTRICAL ENGINEERING

First Class	Second Class	Third Class	Fourth Class
Chemistry 3–4	Chemistry 65	Civil Engineering 53–54	Chemistry 37
Chemistry 61–62	Chemistry 81–82	Civil Engineering 55–56	Chemistry 183–184
Mathematics 2	Electrical Engineering 1	Electrical Engineering 51	Civil Engineering 77
Mathematics 3–4	Electrical Engineering 2	Elec. Engineering 52	Elec. Engineering 54
Mechanics 9	Mathematics 5–6	Elec. Engineering 101	Elec. Engineering 98, Thesis
Drawing 1–2	Drawing 5–6	Elec. Engineering 104	Elec. Engineering 103
Drawing 3–4	Drawing 7–8	Elec. Engineering 173–174	Elec. Engineering 105
Shopwork 1–2	Shopwork 3–4	Mech. Engineering 13–14	Elec. Engineering 106
Physics 4	Mech. Engineering 11	Mech. Engineering 35–36	Elec. Engineering 110
Physical Education **A**	Mech. Engineering 6	Mech. Engineering 56	Elec. Engineering 112
	Mechanics 102	Mech. Engineering 76	Elec. Engineering 175-176, 177
	Mechanics 9	Mechanics 101	Mech. Engineering 24
	Metallurgy 4	Mechanics 106	Mech. Engineering 71
	Physics 105	Mechanics 107	Mech. Engineering 77
	Physics 43–44, Lab.	Mechanics 108	Mechanics 109
	Physical Education **B**		Mechanics 110

COURSE IN CHEMISTRY

First Class	Second Class	Third Class	Fourth Class
Chemistry 3–4	Chemistry 21–22	Chemistry 83–84	Chemistry 85–86
Chemistry 61–62	Chemistry 41–42	Chemistry 88	Chemistry 89 or 90
Mathematics 2	Chemistry 81–82	Chemistry 91–92	Chemistry 121–122
Mathematics 3–4	Chemistry 163–164	Chemistry 101–102	Chemistry 141–142
Mechanics 9	Elec. Engineering 1	Chemistry 170–171	Mech. Engineering 13–14
Drawing 1–2	Elec. Engineering 2	Chemistry 183–184	Metallurgy 3
Physics 4	Mathematics 5–6	Mech. Engineering 12	Metallurgy 4
Physical Education A	Physical Education B	Mechanics 5–6	Thesis
Mineralogy 7–8	Summer Work:	Metallurgy 1–2	
Summer Work:	Memoir	Summer Work:	
Memoir		Memoir	

COURSE LEADING TO THE DEGREE OF CHEMICAL ENGINEER

First Class	Second Class	Third Class	Fourth Class
Chemistry 3–4	Chemistry 41–42	Chemistry 83–84	Chemistry 85–86
Chemistry 61–62	Chemistry 81–82	Chemistry 170–171	Chemistry 88 or 182
Mathematics 2	Chemistry 163–164	Elec. Engineering 56	Chemistry 121–122
Mathematics 3–4	Elec. Engineering 1–2	Elec. Engineering 58	Chemistry 97–198
Drawing 1–2	Mathematics 5–6	Mechanics 101	Chemistry 89
Mechanics 9	Physical Education **B**	Metallurgy 1	Mech. Engineering 33
Physics 4	Physics 3	Metallurgy 2	Mech. Engineering 41
Physical Education **A**	Mechanics 9	Mech. Engineering 71	Mech. Engineering 52
Civil Engineering 1–2	Mechanics 102	Mech. Engineering 7c	Mech. Engineering 71
Shopwork 1–2	Drawing 7–8	Mech. Engineering 13–14	Metallurgy 4
Mineralogy 7–8	Mech. Engineering 11	Mech. Engineering 31–32	Metallurgy 71–72
Physics 35–36	Shopwork 3–4	Mech. Engineering 37	Civil Engineering 75
Summer Work:	Summer Work:	Mech. Engineering 39	Mechanics 7
Civil Engineering 15	Chemistry s43–44	Summer Work:	Thesis
		Chemical factory work with memoir	

REGISTER OF STUDENTS

Schools of Mines, Chemistry, and Engineering

FOURTH YEAR—CLASS OF 1907

Mining Engineering

Archbold, Hugh, A.B. Yale, 1903 ..... Scranton, Pa.
Arnold, George Oliver ..... New York City
Beattie, Harold Mairs ..... New York City
Braun, Arthur Peter ..... Toledo, Ohio
Brill, Paul Kortright ..... New York City
Burdette, Richard Stuart ..... Grantwood, N. J.
Chisholm, Oliver Perry, Jr ..... Bozeman, Mont.
Clark, Frederick Huntington ..... New York City
Dehuff, Arthur Isador ..... Spokane, Wash.
Donnelly, Thomas Francis ..... New York City
Fabian, Francis Gordon, Mech. E. Cornell 1905 ..... Evanston, Ill.
Fleissner, Gustav Ludwig ..... New York City
Gardner, Walter ..... Forest Hill, London, England
Hartog, Victor, E.M. 1901 ..... Kimberley, South Africa
B.S. Univ. Cape of Good Hope, 1903
Hochschild, Sali, ... Frankfort, Germany
(equiv. A.B.) Realgymnasium, Worms, Germany 1903
Josephs, Irving Samuel, A.B. 1905 ..... New York City
King, Harold Frederic ..... Kingston, N. Y.
Kruse, Frederic, Jr ..... Central City, Colo.
La Bouglise, Robert de ..... Paris, France
Lewisohn, Julius Arthur, A.B. 1905 ..... New York City
Little, James Macfarlane ..... Towanda, Pa.
Marsh, Robert, Jr ..... Salt Lake City, Utah
Mentzel, Charles, B.S. C. C. N.Y. 1900 ..... New York City
Overbeek, John Bagot, A.B. So. African College 1902 ..... Cape Town, South Africa
Palmer, Walter Stanley, B.S. Univ. Nevada 1905 ..... Reno, Nev.
Roberts, John Thomas, Jr ..... Wanaka, N. Y.
Sayre, Mortimer Freeman ..... Newark, N. J.
Sedgwick, Allan Ernest ..... New York City
Taft, Thomas K ..... Cornwall-on-Hudson, N. Y.
Tillson, Benjamin Franklin, Ph.B. Yale 1905 ..... New York City
Tulloch, Thomas Hildrup ..... Forest Glen, Md.
Willard, Paul Day ..... Riverside, Calif.
[32]

Civil Engineering

Atwater, Huntington Clark ..... Denver, Colo.
Babcock, Dudley Paul ..... Fanwood, N. J.
Bergman, Harry Montifiore ..... New York City
Bosworth, William Hamlin ..... New York City
Brown, Otto ..... New York City
Dickson, Charles Francis ..... Cincinnati, Ohio
Friedland, Jacob M., B.S. C. C. N. Y. 1900 ..... New York City

GARDINER, CHARLES ROCKWELL..... New York City
GORREN, DANIEL..... Rye, N. Y.
KLINE, HENRY JAMES, B.S. 1906..... New York City
LISMAN, OLIVER CROMWELL..... Mt. Vernon, N. Y.
LYNN, HENRY HUDSON EDWIN..... New York City
MEYER, HANS FRANK, B.S. Cooper Union 1903..... New York City
PERRY, ARTHUR CECIL FOX..... New York City
RENNER, FRANK AXTELLE..... New York City
ROTHSCHILD, WALTER LOUIS, A.B. 1905..... New York City
STINSON, JOSEPH WHITTLA, B.S. 1905..... New York City
STUHRMAN, EDWARD AHLERT..... New York City
TAYLOR, RICHARD MAXWELL..... New York City
[19]

ELECTRICAL ENGINEERING

AIGELTINGER, ARTHUR..... New York City
ARNSFIELD, JAMES JULIUS..... New York City
BARTELD, HENRY CHRISTOPHER..... New York City
BOND, STANLEY FRANK, A.B. Middlebury 1904..... Hartford, Conn.
CAUCHOIS, REGINALD WADSWORTH..... New York City
DOTY, ARCHIBALD..... Yonkers, N. Y.
FRIEDMAN, WILLIAM HENRY..... New York City
GREIFF, VICTOR..... New York City
HALPIN, ZACH POWER..... New York City
HEIDGERD, GUSTAV HERMAN, A.B. C. C. N. Y. 1903..... New York City
IYENGAR, SRIRANGAM DESIKOCHAR SHESHADRY,..... New York City
A.B. Madras Univ. 1897, Bangalore City, India.
LEVIN, HERTZ..... New York City
MERKLINGER, THEODORE EMIL..... Newark, N. J.
SAQUI, EMANUEL..... New York City
SEELIG, ALFRED EPHRAIM..... New York City
SINDEBAND, MAURICE LEONARD..... New York City
SUNDHEIMER, ARTHUR I..... New York City
[17]

MECHANICAL ENGINEERING

ARNSTEIN, LEONARD ALBERT..... New York City
BAILEY, RAYMOND DEWITT..... Summit, N. J.
CARBONE, MARIO GEROLAMO..... New York City
HOYNES, GEORGE WAYLAND..... New York City
HUNTINGTON, WILLIAM CHAPIN..... Elizabeth, N. J.
JONES, RUSSELL COMPTON..... New York City
MILLETT, KENNETH BALLARD..... New York City
MONKS, WILLIAM DOUGLAS..... Mt. Vernon, N. Y.
NEWELL, WILLIAM, A.B. 1905..... New York City
OSBORN, RAYMOND STORMS..... Yonkers, N. Y.
OTTEN, LEONARD FLAGGE, A.B. 1905..... New Rochelle, N. Y.
PEACOCK, WILLIAM THOMAS..... New York City
SMITH, HERMAN RAYMOND..... New York City
THURSTON, EDWARD DAY, Jr., A.B. 1905..... New York City
WALDRON, J. LAURENCE, A.B. 1905..... New York City
[15]

CHEMISTRY

NIEDER, PHILIP GEORGE..... Fanwood, N. J.
SCHAEFER, LUDWIG..... Paterson, N. J.
WARTH, ALBIN HENRY..... New York City
WILLIAMS, RICHARD GRANT..... Mt. Vernon, N. Y.
[4]

METALLURGY

NEWBERRY, ANDREW WHITE, A.B. Cornell 1905 [1] ..... Sandusky, Ohio

FOURTH YEAR—CLASS OF 1907

Mining	Engineering	32
Civil	"	19
Electrical	"	17
Mechanical	"	15
Chemistry	"	4
Metallurgy	"	1
Total		88

THIRD YEAR—CLASS OF 1908

MINING ENGINEERING

BALDWIN, HERBERT VAN VLIERDEN, B.S. Princeton 1905 ..... Nyack, N. Y.
BATES, WILLIAM STEPHEN, A.B. 1904 ..... New York City
CLARK, ARTHUR L. ..... New York City
COHN, CHARLES JOSEPH, B.S. C. C. N. Y. 1903 ..... New York City
DANEHY, GEORGE WELSH ..... New York City
DAVIS, HENRY FARMER ..... Butte, Mont.
DIER, ALFRED AUSTIN ..... Bozeman, Mont.
DOTY, OLIVER KEESE ..... New York City
DOWNS, FLETCHER GARDNER, A.B. 1906 ..... Jersey City, N. J.
ELSING, MORRIS JESUP ..... New York City
ESTEE, RUSH GILLAN ..... Montpelier, Vt.
GENTRY, MARTIN BUTLER, Ph.B. Yale 1906 ..... Kansas City, Mo.
GOULD, KINGDON ..... Lakewood, N. J.
GRAHAM, HORACE REYNOLDS ..... New York City
GRUNSKY, CARL EWALD, Jr. ..... Washington, D. C.
HEIDENREICH, WALTER LEE ..... Chicago, Ill.
HELMRICH, GEORGE LESTON ..... New Rochelle, N. Y.
HOSTER, MANFRED THEODORE ..... East Rutherford, N. J.
HUBBELL, ALLAN HILDRETH, A.B. C. C. N. Y. 1904 ..... New York City
HUNTZICKER, FRANCIS JACOB ..... Neillsville, Wis.
HURLEY, MARCUS LATIMER ..... New York City
JESSUP, DOUGLAS WEBSTER ..... Salt Lake City, Utah
JONES, LEWIS MEREDITH ..... Cleveland, Ohio
KIRTLEY, LUTHER LYCURGUS, B.S. Univ. Chicago, 1903 ..... Kansas City, Mo.
LEWIN, JOHN C. ..... Port Chester, N. Y.
LEWYN, OSWALD MARK ..... New York City
LLOYD, KARL ERNEST, A.B. Oberlin 1905 ..... Elyria, Ohio
LUND, FRANCIS NAPIER ..... New York City
MCCARTNEY, ELMER BARBER ..... Oakes, North Dakota
MACDONALD, WILLIAM TOWNLEY ..... Denver, Colo.
MILLER, WILLIAM TRAVIS ..... New York City
MONTGOMERY, WILLIAM BRUCE, Jr., B.S. Virginia Military Inst. 1900 ..... Lynchburg, Va.
NOTMAN, ARTHUR, B.S. Harvard 1903 ..... New York City
PERRY, ROBERT MATSON, A.B. 1906 ..... Denver, Colo.
POINDEXTER, URBAN HATFIELD ..... Topeka, Kan.
RICHARDS, GEORGE MILTON ..... New York City
ROBERTS, PERCY LLEWELLYN, A.B. Middlebury 1905 ..... New York City
RUPP, FREDERICK LOUIS ..... New York City
SAGE, WARREN MORRILL ..... New York City
SHEARMAN, WILLIAM HUGH ..... New York City

SHUMWAY, RALPH WYATT..... Denver, Colo.
SYVERSON, THEODORE SIGWALD.....Cooperstown, North Dakota
WEST, HENRY JAMES, A.B. 1902.....Garnerville, N. Y.
WOLFERSPERGER, JOHN JACOB, A.B. Cornell 1906.....Sterling, Ill.
[44]

CIVIL ENGINEERING

ARMSTRONG, ADDISON COOKE..... New York City
BABCOCK, HENRY GRINNELL..... Fanwood, N. J.
BODE, GROVER HARTMANN..... New York City
FORBES, FRANCIS BONNER, A.B. 1904.....New York City
FRAHER, THOMAS AUGUSTINE.....New York City
KRAUS, ARTHUR..... New York City
KRÖGER, HENRY ANDREW..... New York City
LAMKE, DANIEL HENRY..... New York City
LANDSMAN, SIGMUND..... New York City
LINDGREN, OSCAR HJALMAR, Mech. E. Orebro School of Tech., 1900..Orebro, Sweden
MARSHAL, WILLIAM ROBERT..... New York City
MENKE, WILLIAM..... New York City
MENOCAL, JOSÉ G., A.B. Havana Inst. 1903.....Havana, Cuba
NATHAN, SAMUEL..... New York City
PESHKIN, HARRY CHARLES.....New York City
ROTHBERG, JACOB BENJAMIN..... New York City
SMITH, MARCO CARMELICH, Jr .....New York City
THOMAS, HAROLD ALLEN, A.B. 1906..... New York City
WILLIAMSON, DOUGLAS BLEEKER..... New York City
WILSON, WILLIAM..... New York City
YOUNG, JOHN JOSEPH..... New York City
ZABRISKIE, GEORGE E..... Newark, N. J.
[22]

ELECTRICAL ENGINEERING

ADAMS, HANFORD CURTIS, A.B. Wesleyan 1905..... New York City
BERGMANN, RUDOLPH CHARLES..... New York City
BOWES, WILLIAM RAUCHFUSS..... New York City
CARLEBACH, WALTER MAXWELL..... New York City
CRECELIUS, FREDERICK WILLIAM..... New York City
FARRER, HENRY EDWIN..... New York City
HARD, STRAITON..... New York City
HEHRE, FREDERICK WILLIAM..... New York City
HEIDTMANN, ALBERT WILLIAM.....Mt. Vernon, N. Y.
HOLSLAG, CLAUDE JOSEPH.....Peekskill, N. Y.
JONES, EDWIN CROSBY..... New York City
LUSCOMB, HARRIS TRAILL..... New York City
MACBOYLE, ERROL, B.S. Univ. California 1903..... Oakland, Cal.
MACCUTCHEON, ALECK M.....Goldens Bridge, N. Y.
MACCUTCHEON, PAUL J. Pd.B. N. Y. State Normal College 1902..Goldens Bridge, N. Y.
REIZENSTEIN, CHESTER LEONARD..... New York City
SERHEY, BENJAMIN.....Pocantico Hills, N. Y.
WHITE, MAJOR LEE.....New York City
WILLIAMSON, GEORGE.....East Orange, N. J.
WILSON, JAMES ELIJAH, Ph.D. Wesleyan, 1904..... Middletown, Conn.
WISE, WILLIAM WALLACE..... New York City
WOTICKY, CHARLES..... New York City
[22]

MECHANICAL ENGINEERING

ANDREI, CAMILLO ..... Perugia, Italy
BYRNE, FREDERICK JOHN..... New York City

Cook, William Pierson, Jr ..... New York City
Crawley, George Edwin ..... New York City
Felter, Rutherford Stitt ..... Bogota, N. J.
Marcus, Charles ..... New York City
Mead, Raymond H ..... Newark, N. J.
Starbuck, William Lent ..... New York City
Stix, Lawrence Cullman ..... New York City
Swartwout, Everett Wiles ..... Scarsdale, N. Y.
Ulmann, August, Jr ..... New York City
[11]

Chemistry

Alexander, Elliot Ritchie ..... New York City
Amend, Carl Gustave ..... New York City
Boeck, Percy Albert ..... New York City
Fiedler, Albert ..... New York City
Fischer, Siegfried ..... New York City
French, Robert Mansfield ..... New Rochelle, N. Y.
Hill, Harold William ..... Buffalo, N. Y.
Kendall, Edward Calvin ..... So. Norwalk, Conn.
King, Victor Louis ..... Wood Ridge, N. J.
Kropff, Alfred Hemmer ..... New York City
Tucker, Ralph Bernard ..... Rahway, N. J.
Whipple, Dorris, Ph.G. N. Y. College Pharmacy 1901 ..... New York City
Winslow, William Sprague ..... Bridgeport, Conn.
[13]

Metallurgy

Lage, Frederico ..... Rio de Janeiro, Brazil
Rocour, Georges ..... New York City
[2]

THIRD YEAR—CLASS 1908

Mining Engineering	44
Civil "	22
Electrical "	22
Mechanical "	11
Chemistry	13
Metallurgy	2
Total	114

SECOND YEAR—CLASS 1909

Mining Engineering

Annan, Robert ..... London, England
Apezteguia, Julio J ..... Cienfuegos, Cuba
Bamber, William Roger ..... New York City
Blow, George Allmand ..... Ware Neck, Va.
Brewster, Rouse Kendall ..... New York City
Brown, Clinton Bleecker ..... New York City
Bruns, Christopher Leslie ..... New York City
Chrystie, James Nicholson ..... New York City
Cooper, John Raymond ..... New York City
Cutler, Willard Walker, Jr., B.S. Princeton 1906 ..... Morristown, N. J.
Daniel, George William ..... New York City
Earle, Theodore ..... Elizabeth, N. J.
Espinosa, Carlos ..... Lima, Peru
Fuld, Horace Alphonse ..... New York City

GAEBELEIN, PAUL WHITEFIELD.....Mt. Vernon, N. Y.
GELDER, ROYAL WILLIAM..... New York City
GOLDSTONE, LAWRENCE PRESTON, Jr..... New York City
HALL, HARRY ELIAS.....Virginia City, Mont.
HANKE, ADOLPH GUSTAV.....Cincinnati, Ohio
HARRINGTON, THAYER B.....St. Paul, Minn.
HIRSH, RALPH TUSKA..... New York City
HUME, HARRY G..... Basin, Mont.
VAN ISSCHOT, CARLOS AUGUSTO..... Guayaquil, Ecuador
KITSON, HOWARD WALDO..... New York City
KOZMINSKY, LESLIE MONTEFIORE..... Melbourne, Austalia
LESLIE, EUGENE HAMILTON, A.B. Princeton 1906.....Columbus, Ohio
LOCKE, PRESTON ERIE..... New York City
MCCRACKEN, EUGENE PAUL..... New York City
MAY, ERNEST RUDOLPH.....Lead, South Dakota
MESSER, JULIUS JOHN ..... Lambrecht, Germany
MILLER, DONALD GAZLEY..... New York City
MUCKLOW, WILFORD BARBER.....New York City
ORNSTIEN, ABRAHAM..... Johannesburg, So. Africa
OWEN, WILLIAM ROLAND, Jr.....Denver, Colo.
ROSS, GEORGE HILLIARD, A.B. Cornell 1906.....Edgewater, N. J.
ROSSBERG, FRED HERMANN.....Park City, Utah,
VON SALTZA, PHILIP ..... New York City
SCOTT, THOMAS KLINE ..... New York City
STOCKLY, HAROLD AUGUSTUS, A.B. Univ. Michigan, 1905.....Hancock, Mich.
TALLANT, JOHN DRURY ..... San Francisco, Cal.
THOMPSON, MALCOLM MACFARLAN ..... New York City
TONKING, WILLIAM WILDRICK .....Dover, N. J.

[42]

CIVIL ENGINEERING

BERNFELD, LUPESCU MORRIS..... New York City
CLEVELAND, HORACE H..... New York City
DAVIS, IRVING J..... New York City
DREYFUSS, ROBERT..... New York City
DUENAS, HECTOR, A.B. Nat'l. Inst. Chile 1904.....Ecuador, S. A.
FERGUSON, WILBUR EARLE..... New York City
FOSSAS, EDWARD JOSEPH.....San Juan, Puerto Rico
GUITERAS, HAROLD GENER.....New York City
HALL, CHARLES LINCOLN..... New York City
HOAG, JOHN ALBERT..... New York City
HOWE, CHARLES HENRY..... New York City
JACOBSON, HARRY, B.S. C. C. N. Y. 1904..... New York City
KELLY, LAWRENCE, Jr., B.S. C. C. N. Y. 1905 ..... New York City
KRELL, ISADORE..... New York City
KURR, FRED LOUIS.....New Rochelle, N. Y.
LINDO, ALBERT..... New York City
MISHKIN, VICTOR..... New York City
MOTT, KENNETH.....Peekskill, N. Y.
NORSWORTHY, LEONARD D..... New York City
ROBERT, CHARLES S.....Plainfield, N. J.
ROBINSON, THOMAS ARGO.....St. Louis, Mo.
ROTHSCHILD, MONTEFIORE..... New York City
SANDLER, WILLIAM..... New York City
SCHLACHTER, CHARLES EMIL JOSEPH, A.B. 1905..... New York City
VON SCHRENK, TRIFON..... New York City
SLADE, HAROLD EDMUND..... New York City

SNOOK, CURTIS PENDLETON ..... New York City
SPALDING, LESTER HOLT ..... New Rochelle, N. Y.
STEINMAN, DAVID BERNARD, B.S. C. C. N. Y. 1906 ..... New York City
VULTÉ, GILBERT PALMER ..... New Rochelle, N. Y.
WILLIAMS, THOMAS WILLIAM ..... New Bedford, Mass.
[31]

ELECTRICAL ENGINEERING

ALEXANDER, WILLIAM AUSTIN ..... New York City
BAKER, RAYMOND WILLARD ..... New York City
BANGS, GEORGE HAROLD ..... New York City
BLACKWOOD, WILLIAM CUTLER ..... New York City
BLISS, ERNEST FRED ..... New York City
BORCHARDT, ALBERT H ..... New York City
BROWNE, KENNETH CAULFIELD ..... New York City
CERUSSI, BIAGIO PETER ..... New York City
COHN, HUGO ..... New York City
DEMAREST, SAMUEL PETER ..... New York City
DEUTSCH, HARRY ARMIN ..... New York City
FONDILLER, WILLIAM, B.S. C. C. N. Y. 1903 ..... Westwood, N. J.
FONTS, HUMBERTO ..... New York City
FOOTE, HASTINGS ..... New York City
FORD, WILLIAM ANDREWS ..... White Plains, N. Y.
HAMMOND, HAROLD ORVIS ..... New York City
HINKEL, EDWARD JOSEPH ..... New York City
HOPPING, HOWARD HITCHCOCK ..... New York City
HUTCHINSON, GEORGE ELLIS ..... New York City
KENNEDY, FREEMAN W ..... Bayonne, N. J.
KLEIN, JOHN EDWARD, A.B. C. C. N. Y. 1906 ..... New York City
KRIVULIN, HERMAN ARNOLD, A.B. C. C. N. Y. 1905 ..... New York City
MAPES, MILTON CRAWFORD ..... New York City
MASON, FRANK L ..... New York City
MILTENBERGER, ALEXANDER LASSEN ..... St. Louis, Mo.
MOONAN, WILLIAM THOMAS ..... New York City
MORA, ERNEST JOSÉ ..... Easton, Pa.
MULLER, FREDERICK ..... New York City
MURPHY, HENRY CRUSE, Jr ..... New York City
OSBORN, STANLEY ROYAL ..... New York City
ROBINSON, KARL DAVIS ..... Roseland, N. J.
SCHAFHUT, ADOLPH YOUNG, B.S. St. John's 1906 ..... New York City
SEIDENBERG, ARMIN ..... New York City
SHAKIN, VICTOR ..... New York City
SIMON, EMIL J ..... New York City
STRUTHERS, HERBERT HARLOW ..... New York City
SUAREZ, EDWARD RAMON ..... Havana, Cuba
WHITE, RALPH LEE ..... New York City
ZIMBER, FRANK E ..... Hoboken, N. J.
[39]

MECHANICAL ENGINEERING

BARBOUR, ROBERT ..... New York City
BONNER, RICHARD OLIVER ..... Rockville Centre, N. Y.
BRIDGEMAN, LINDEN WENTZEL ..... New York City
BROPHY, PAUL FITZ GERALD ..... New York City
BROWN, EDWARD STANTON ..... Rutherford, N. J.
FISHEL, LESLIE HENRY ..... New York City
GILLIE, GEORGE ROSS ..... New York City
HAIGH, CLIFFORD SHEPARD ..... New York City

HENES, HARRY WILLIAM ..... New York City
HOYT, HAZEN LUERTUS, Jr ..... New York City
IVES, FRANCIS LASAK ..... New York City
KNAPP, HAROLD OWEN ..... New York City
VON MALMBORG, CARL ADOLF, Mech. E. Orebro Tech. School 1906. Stockholm, Sweden
MATZ, LOUIS ..... New York City
MILTENBERGER, WILLIAM ..... St. Louis, Mo.
PECK, JOHN ARZA, Jr. ..... Pelham Manor, N. Y.
REMINGTON, HENRY WATERMAN ..... New York City
RICE, MYRON WESLEY ..... Worcester, Mass.
SCHOONMAKER, HERBERT SAGE ..... New York City
SCHWARZ, JUSTIN ORMISTON ..... New York City
SLOANE, CHARLES O'CONOR, A.B. 1906 ..... South Orange, N. J.
SMITH, ALFRED JOHN ..... Central Islip, N. Y.
ULMANN, EDGAR AUGUST ..... New York City
WIEHLE, ALVIN LOUIS VIRGIL ..... Wiehle, Va.
WILCOX, PHILIP WAKEMAN ..... New York City
WOOD, THOMAS CARLYLE ..... Topeka, Kan.
[26]

CHEMICAL ENGINEERING

AMEZAGA, RICHARD SEGUNDO ..... New York City
BARNITT, JESSE BRYTE ..... Phillipsburg, N. J.
EZEKIEL, BERTRAM ..... Greenville, Ala.
HEUMANN, EMIL MICHAEL ..... New York City
KUDLICH, HERMAN FREDERICK, Jr ..... New York City
LISSAUER, ADOLPH WIENER ..... New York City
MCCULLOCH, PAUL LEAVENWORTH ..... Orange, N. J.
SCHRAMM, EDWARD, B.S. C. C. N. Y. 1906 ..... New York City
[8]

METALLURGY

CHEN, WEI FAN, A.B. Peking 1904; B.S. Ohio Wesleyan 1906 ..... Peking, China
KOKEN, WILLIAM THEODORE ..... St. Louis, Mo
MAPES, CLARENCE DANIEL ..... New York City
SNYDER, HARVEY HENRY ..... Massillon, Ohio
[4]

CHEMISTRY

CREW, CHARLES ..... Paterson, N. J.
HALLOCK, FREDERICK BARTON ..... New York City
HAMMERSCHLAG, HENRY A ..... Newark, N. J.
HOCHSTADER, IRVING ..... New York City
HUDSON, HANS KIERSTEDE ..... New York City
SCHWARZ, ROBERT ..... New York City
STAGG, HOWARD J. Jr ..... New York City
THOMPSON, ERNEST CHARLES ..... New York City
[8]

SECOND YEAR—CLASS 1909

Mining Engineering	.....	42
Civil "	.....	31
Electrical "	.....	39
Mechanical "	.....	26
Chemical "	.....	8
Metallurgy	.....	4
Chemistry	.....	8
Total	.....	158

FIRST YEAR—CLASS 1910

Mining Engineering

Bliss, Norman Eugene, A.B. Bucknell 1906 ..... Washington, D.C.
Blumenthal, Percy ..... New York City
Degavre, Martin Louis ..... Newark, N. J.
Donohoe, Denis Constantine ..... New York City
Feust, Sidney ..... New York City
Firoux, Leon Maxwell ..... New York City
Tlorney, Ernst Edward ..... Dublin, Ireland
Grant, Lester Eames, A.B. Yale 1906 ..... Denver, Colo.
Greenough, Warren Earl ..... Missoula, Mont.
Hanhausen, Frederick F. ..... New York City
Hayes, Francis Henry, Jr ..... New York City
Hendrick, Trowbridge Wesley ..... Santa Monica, Cal.
de Hierapolis, George Sahb, Jr. ..... New York City
Hover, David Llewellyn Curtwright ..... Washington, D. C.
Jansen, Thomas Carl ..... Kansas City, Mo.
Leaning, Eugene Hooker, A.B. Williams 1905 ..... Gloversville, N. Y.
McPearce, Clyde ..... Duluth, Minn.
Maller, John ..... New York City
Marsh, Austin Gerry ..... Pueblo, Colo.
Mulholland, Vincent I., A.B. C. C. N. Y. 1902 ..... New York City
Navarro, John Ralph ..... Key West, Fla.
O'Neale, Malcolm Lindsay ..... New York City
Rypinski, Jacob Emanuel ..... New York City
Saunders, Frank Harold ..... Gloversville, N. Y.
Schnepp, Charles Frederick ..... New York City
Smead, Harold Burt ..... Lead, South Dakota
Stillman, Albert Leeds, A.B. Rutgers 1905 ..... Hoboken, N. J.
Stoiber, Herbert Alfred ..... New York City
Thompson, Edgar Hall ..... Newport, R. I.
Townsend, Henry Harold ..... Keokuk, Iowa
Walters, Ray Epperson, A.B. Univ. Montana 1905 ..... Missoula, Mont.
Wardlaw, Francis A., Jr. ..... Thomaston, N. Y.
Wellington, Harold Wentworth ..... East Braintree, Mass.
Wilson, Trevett Abbot ..... New York City

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Civil Engineering

Arkush, J. Ellis ..... New York City
Babcock, Theodore Stoddard ..... Pelham Manor, N. Y.
Baker, James A., Jr. ..... New York City
Barrett, Gurnee Hinman ..... New York City
Beggs, George Erle, A.B. Northwestern 1905 ..... Ashland, Ill.
Dorn, George H., Jr. ..... New York City
Dougherty, Edward A. ..... New York City
Goldfarb, Henry ..... New York City
Goldstein, Morris Monroe ..... New York City
Goldstein, Samuel ..... New York City
Goodkind, Morris ..... New York City
Goodwin, Elmer Clark ..... New York City
Hanigan, Harry, A.B. Georgetown 1906 ..... New York City
Jacques, William Singer ..... New York City
Jones, William Benedict ..... New York City
de Jongh, Arthur Francis ..... New York City
Laurent, Howard Paul ..... New York City

LOEWY, ALEXANDER ..... New York City
MALMROS, NILS LORENTZ ALFRED ..... Yonkers, N. Y.
MARDER, JOEL DAVID ..... New York City
MARWICK, ROBERT HUGH, A.B. 1906 ..... Petrolia, Ontario
DI MOISE, GINO BETTINO ..... New York City
MORROW, ROBERT LEE ..... New York City
PHILIPPOFF, BORIS ..... Moscow, Russia
PROBST, HARRY CARL HERMANN ..... New York City
RODENBURG, JOHN TIETJEN ..... New York City
SNOOK, THOMAS EDWARD, Jr ..... New York City
SOULE, ERNEST WILBUR ..... New York City
VOSKAMP, JOHN ALOYSIUS ..... New York City
WASHINGTON, HENRY JAMES LAMAR ..... New York City
WEINSTEIN, JOSEPH ..... New York City.
WELCH, ELLIS WILLIAM ..... Rutherford, N. J.
WICKENDEN, ALFRED AHIER ..... New York City
WILLIAMS, HAROLD ..... New Bedford, Mass.

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ELECTRICAL ENGINEERING

ALLEN, WELLES LISPENARD ..... New York City
BENEDICT, VICTOR ..... New York City
BISCHOFF, SYLVAN ..... New York City
BLACK, HENRY SCUDDER ..... New York City
BORN, SIDNEY ..... New York City
BROE, ARTHUR LOWREY ..... New York City
CARTIER, LUCIEN ..... New York City
CLEMSON, WILLIAM EDWIN ..... Newark, N. J.
COUNSELMAN, THEODORE BENTON ..... New York City
DELLENBAUGH, FREDERICK SAMUEL, Jr ..... New York City
DESCHERE, HARVEY ..... New York City
FOELLER, HAROLD C. E ..... New York City
GRIFFEN, ELLWOOD BURDSALL ..... New York City
GUTHORN, SEYMOUR ..... New York City
HAMANN, ADOLPH MARTIN ..... Mt. Vernon, N. Y.
HIGBIE, EDWIN DEGRAUW ..... New York City
JORDAN, CARL PHILIP ..... Great Falls, Mont.
KEATOR, RANDALL M ..... New York City
KENNEDY, WALTER WOODWARD ..... New York City
KINSMAN, RICHARD ELLARD ..... New York City
LAWSON, THOMAS EVANS ..... New York City
LEVIE, ROBERT PROVOOST ..... Mt. Vernon, N. Y.
LOOMIS, LEO STEPHEN ..... New York City
MCGUINESS, FRANCIS VINCENT ..... New York City
MCKANNA, EDWIN ALEXANDER ..... Oklahoma City, Okla.
MORRISS, ARTHUR DUDLEY ..... New York City
POWELL, ALVIN LESLIE ..... Rockville Centre, N. Y.
RESTREPO, LUCIANO ..... Medellin, Colombia, S. A.
RYAN JOHN JOSEPH ..... New York City
SPRUNG, ABRAHAM ..... New York City
STAFFORD, RAYMOND WRIGHT ..... New York City
TOBIAS, DAVID FRANCIS ..... New York City
TUPPER, ARTHUR GILBERT ..... East Orange, N. J.
WALL, WILLIAM BURCHMAN, A.B. C. C. N. Y. 1905 ..... New York City
WEBSTER, LESLIE STANDARD ..... New York City
WEED, DEWITT VANDERBILT ..... New York City
WEIS, IRWIN LEWIS ..... New York City
ZOGBAUM, FERDINAND ..... New York City

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MECHANICAL ENGINEERING

BLUMENFELD, RALPH ..... New York City
BOWES, CHARLES MUNTON ..... New York City
CAPABLANCA, JOSÉ RAOUL ..... New York City
CARTER, PULASKI ..... Scranton, Pa.
DAVIS, F. RUTLEDGE ..... New York City
FOGEL, WILLIAM PERCY, Jr ..... Rutherford, N. J.
FOSTER, WILLIAM WESLEY ..... Newark, N. J.
GREF, WILLIAM HODGINS ..... New York City
HERZOG, DAVID SULZBERGER ..... New York City
HOLBERT, HARRY HURD ..... New York City
LORD, JAY WILLARD ..... New York City
LUKENS, EDWARD FRENCH ..... New York City
MAHONEY, FORDHAM C ..... New York City
VON MÜFFLING, ERNEST ADRIAN ..... New York City
O'BRIAN, LEWIS ETIENNE ..... New Rochelle, N. Y.
OAKLEY, WALTER WECKERLE ..... New York City
SAXE, JOHN GODFREY ..... New York City
SEMEL, ARTHUR L ..... New York City
WHEELER, WILLIAM HENRY ..... New York City
YOUDIN, HERMEN *Testimonicum Maturitatis* Gymnasium ..... Priluski, Russia, 1905
ZOCH, LOUIS MORRIS ..... New York City
[21]

CHEMICAL ENGINEERING

BAER, SAMUEL ..... New York City
DANIELS, MONROE HELLER ..... New York City
GRIEVE, JAMES ..... Perth Amboy, N. J.
LIPSTATE, WADEL ABRAM ..... Tyler, Texas
MALCOMSON, MALCOLM DAVID ..... Orange, N. J.
MURPHY, ROBERT KENNETH ..... Rochester, N. Y.
RAPHAEL, ABRAHAM LINCOLN ..... New York City
[7]

METALLURGY

GUITERMAN, KENNETH S ..... Denver, Colo.
[1]

CHEMISTRY

BUCHBINDER, HYMAN ELIAS, B.S. C. C. N. Y. 1901 ..... New York City
STEINSCHNEIDER, WILLIAM ..... New York City
[2]

FIRST YEAR—CLASS 1910

Mining Engineering	.....	34
Civil "	.....	34
Electrical "	.....	38
Mechanical "	.....	21
Chemical "	.....	7
Metallurgy	.....	1
Chemistry	.....	2
Total	.....	137

Students who attended the Summer Session, 1906, but did not enter 1906-07.

BOISSE, PIERRE SETH ..... New York City
BOLTON, ARTHUR THOMAS ..... New York City
CAMERON, WALTER SCOTT, A.B. C. C. N. Y. 1895 ..... New York City
CLARKSON, JULIAN GIRARD ..... New York City
DUNWOODIE, CHARLES EDWARD ..... Kingston, N. Y

Fluhrer, Lewis Pullmann	New York City
Harrington, Daniel Joseph	New York City
Holbrook, Arthur Macy	New York City
Popper, Edwin	New York City
Post, Henry Burnet	New York City
Watson, Everett Vail	New York City
Total	11

Non-Matriculated Students

Arnstein, Walter L	New York City
Birch, George Howard	New York City
Bates, Mowry	New York City
Bredin, George Sloan	Sistersville, W. Va.
Butler, Marvin F	New York City
Derby, Roger Aldin, A.B. Harvard 1905	New York City
Edebohls, Alphonse Julius, A.B. St. John's 1902	New York City
Flagg, Stanley Griswold, 3d	Philadelphia, Pa.
Furukawa, Toranosuke	Tokio, Japan
Gascoyne, William John, Jr	Baltimore, Md.
Holbrook, Birdsey Grant Northrup, AB. Hamilton 1900, A.M. 1903	Ossining, N. Y.
Howell, Joseph Manghan	Logan, Utah
Kuser, Peter D	New York City
Lambert, Conrad	New York City
Longnecker, Jacob Haldeman	Wernersville, Pa.
MacDonald, Jesse Juan	Denver, Colo.
McCarthy, Charles D	New York City
McChrystal, Marcus Arthur	New York City
Merritt, John I	New York City
Mills, Clyde Bennett	New York City
Morrison, Norton Hubbard	Fairfield, Wash.
O'Connor, Daniel Joseph, Jr, A.B. St. Francis Xavier 1903	New York City
Schwaneflugel, Charles Albert	New York City
Skillman, Verne	East Orange, N. J.
Smith, John Aloysius	New York City
Strobel, Roger Louis	South San Francisco, Cal.
Non-matriculated	(26)

SUMMARY

Undergraduate Students

	First Year	Second Year	Third Year	Fourth Year	Totals
School of Mines:					
Mining Engineering	34	42	44	32	152
Metallurgy	1	4	2	1	8
School of Chemistry					
Chemistry	2	8	13	4	27
Chemical Engineering	7	8	—	—	15
School of Engineering:					
Civil Engineering	34	31	22	19	106
Electrical Engineering	38	39	22	17	116
Mechanical Engineering	21	26	11	15	73
	137	158	114	88	497

Non-matriculated	26
Students primarily registered under this faculty	523
Students from other faculties of the University:	
From the College	10
Total	533

FACULTY OF POLITICAL SCIENCE

ESTABLISHED 1880

Officers of the Faculty

JOHN W. BURGESS, Ph.D., LL.D. . . *Dean and ex-officio Member of the University Council*
HENRY ROGERS SEAGER, Ph.D. . . . . *Secretary*
MUNROE SMITH, J.U.D., LL.D. . . . . *Elected Delegate to the University Council (term expires 1907).*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.), *President*
[1] JOHN W. BURGESS, Ph.D., LL.D. . . . . *Ruggles Professor of Political Science and Constitutional Law*
MUNROE SMITH, J.U.D., LL.D. . . . . *Professor of Roman Law and Comparative Jurisprudence*
FRANK J. GOODNOW, A.M., LL.D. . . . *Eaton Professor of Administrative Law and Municipal Science*
EDWIN R. A. SELIGMAN, Ph.D., LL.D. . . . . *McVickar Professor of Political Economy*
HERBERT L. OSGOOD, Ph.D. . . . . *Professor of History*
JOHN BASSETT MOORE, LL.D. . . . . *Hamilton Fish Professor of International Law and Diplomacy*
WILLIAM A. DUNNING, Ph.D., LL.D. . . . . *Lieber Professor of History and Political Philosophy*
FRANKLIN H. GIDDINGS, Ph.D., LL.D. . . . . *Professor of Sociology*
JOHN B. CLARK, Ph.D., LL.D. . . . . *Professor of Political Economy*
JAMES HARVEY ROBINSON, Ph.D. . . . . *Professor of History*
WILLIAM M. SLOANE, Ph.D., L.H.D., LL.D. . . *Seth Low Prof. of History*
HENRY R. SEAGER, Ph.D. . . . . *Professor of Political Economy*
HENRY L. MOORE, Ph.D. . . . . *Professor of Political Economy*
WILLIAM R. SHEPHERD, Ph.D. . . . . *Adjunct Professor of History*
JAMES T. SHOTWELL, Ph.D. . . . . *Adjunct Professor of History*
GEORGE W. BOTSFORD, Ph.D. . . . . *Adjunct Professor of History*
VLADIMIR G. SIMKHOVITCH, Ph.D. . . *Adjunct Prof. of Economic History*
EDWARD THOMAS DEVINE, Ph.D. . . . *Schiff Professor of Social Economy*
HENRY JOHNSON, Ph.D. . . . . *Professor of History in Teachers College*
HERMANN SCHUMACHER, Jur.D. . *Kaiser Wilhelm Professor of German History and Institutions*

[1] Absent on foreign service.

GENERAL STATEMENT

The Faculty of Political Science has charge of the university courses of instruction and research in political and social science, including history, economics, public law, and comparative jurisprudence.

The School of Political Science was opened on Monday, the fourth day of October, 1880.

It is the purpose of the School to give a complete general view of all the subjects of public polity, both internal and external, from the threefold point of view of history, law, and philosophy. The prime aim is, therefore, the development of all the branches of the political and social sciences. The secondary and practical objects are:

(*a*) To fit young men for the public service.

(*b*) To give an adequate economic and legal training to those who intend to make journalism their profession.

(*c*) To supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law offered by the Faculty of Law.

(*d*) To educate teachers of history, economics, social science, public law, and jurisprudence.

For detailed information in regard to the various courses that are offered with these ends in view, see *Announcement of the Courses in History, Economics, and Public Law.*

ADMISSION AND ATTENDANCE

Every student is required to file a list of his studies for the academic year at the time he registers, *or within one week* thereafter, at the office of the Registrar. If he subsequently wishes to make any change in his studies he must file written notice of his wish at the Dean's office, and must obtain the assent of the Dean.

Admission to the School of Political Science does not imply admission to candidacy for a degree. The conditions of candidacy for the several degrees are given on page 176. Students should also familiarize themselves with the separately printed pamphlet entitled: *Instructions for Graduate Students*, which may be had upon application to the Secretary of the University.

Women who hold a baccalaureate degree are admitted to the School of Political Science as students in history and economics and may become candidates for the higher degrees.

Admission to other Courses

Any duly matriculated university student is at liberty to combine, without any additional fee, courses of study and investigation under this Faculty with courses offered by other Faculties of the University and with courses offered in the College.

FEES

(See page 27)

COURSES OF INSTRUCTION

For information regarding the courses offered in 1906–07 see statement under groups of subjects, as follows:

Economics and Social Science, page 68.
History and Political Philosophy, page 91.
Public Law and Comparative Jurisprudence, page 99.

For more detailed accounts of the courses and for the tender of 1906–07, application should be made for the *Announcement of the Courses in History, Economics, and Public Law.*

Seminars

Outside of the regular instruction in the various subjects by lecture, opportunity is furnished to the students of the School for the special investigation of historical, legal, economic, and social questions under the direction of the professors. This is done by means of original papers prepared by the students. The papers are read before the professor and the students, and are then criticised and discussed. There will be at least one seminar in each subject. The number of meetings and the topics to be discussed are determined each year. Attendance at the seminar in the major subject is required of candidates for the degree of Master of Arts or Doctor of Philosophy.

Yale-Columbia Courses in Preparation for Foreign Service

A system of courses has been inaugurated by Yale University and Columbia University, to prepare students for work in foreign countries either in the service of the United States Government, in business enterprises, or as missionaries or scientific investigators.

The courses are intended to make the student familiar with the general subjects required for successful work in foreign countries and to enable him, by means of this knowledge, to gain quick mastery of special problems that present themselves in diverse occupations and regions. More special courses of instruction are intended to convey knowledge relating to particular regions in which the student intends to carry on his work.

The successful completion of the courses offered, which will normally occupy three years in the case of candidates for the consular service, and two years in the case of candidates for other foreign service in special fields, will entitle the student, on recommendation of the joint committee in charge of the course of studies, to an appropriate certificate signed by the Presidents of Yale University and Columbia Uni-

versity. Subject to the rules of the two coöperating institutions, candidates for certificates are admitted to candidacy for the regular academic degrees.

The course of study is framed primarily for graduate students, but it is also open to specially qualified students who have not completed the full college course. Students are expected to have completed successfully at least two years of undergraduate work at either Yale University or Columbia College, or to give proof of equivalent training.

Candidates for a certificate must prove their ability to read French or German, and must have completed the regular college courses on the general principles of economics, American history, and European history of the nineteenth century.

The program of studies includes seven divisions: (1) Languages, (2) Geography, (3) Ethnography, (4) History, (5) Religions, (6) Economics, (7) Law.

The courses that are offered at the present time enable students to prepare themselves specially for work in China, the Levant, and Central and South America. It is hoped that instruction relating to other countries may be added at an early date.

The following subjects will be prescribed:

I. For the consular certificate: Two languages besides English, Commercial Geography, Elementary Statistics, Trade Statistics, Commerce and Commercial Policy, Elementary Law, Roman Law, Commercial Law, International Law, History of Diplomacy.

In addition to the above courses candidates for the consular certificate must elect seven other courses, to be approved by the committee on instruction.

II. For certificates for commercial service in special fields: Two languages besides English, Commercial Geography, Elementary Statistics, Trade Statistics, Commerce and Commercial Policy, Elementary Law, Commercial Law.

In addition to the above courses candidates for the special certificate must elect five other courses, to be approved by the committee on instruction.

The requirements for certificates for other foreign service will be specially determined in each case by the joint committee in charge of the courses.

A special announcement giving fuller details, and indicating the courses offered by both Universities, may be had upon application to the Secretary of Columbia University.

For information regarding allied courses the regular announcements of Yale University and Columbia University may be consulted.

For detailed information concerning these courses apply to the Dean of the Graduate School, Yale University, New Haven, Conn., or to the Secretary of Columbia University, New York City.

FACULTY OF PHILOSOPHY

ESTABLISHED 1890

Officers of the Faculty

EDWARD DELAVAN PERRY, Ph.D., LL.D. . . *Dean and ex-officio Member of the University Council*
GEORGE N. OLCOTT, Ph.D. . . . . *Secretary*
WILLIAM HENRY CARPENTER, Ph.D. . *Elected Delegate to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.) . . . *President*
RICHARD JAMES HORATIO GOTTHEIL, Ph.D. . . . . *Professor of Rabbinical Literature and the Semitic Languages*
HARRY THURSTON PECK, Ph.D., L.H.D., LL.D. . . . *Anthon Professor of the Latin Language and Literature*
WILLIAM HENRY CARPENTER, Ph.D. . . . . *Villard Professor of Germanic Philology*
J. MCKEEN CATTELL, Ph.D. . . . . *Professor of Psychology*
EDWARD DELAVAN PERRY, Ph.D., LL.D. . . . . *Jay Professor of Greek*
ABRAHAM VALENTINE WILLIAMS JACKSON, Ph.D., L.H.D., LL.D. . *Professor of the Indo-Iranian Languages*
ADOLPHE COHN, LL.B., A.M. . . . . *Professor of the Romance Languages and Literatures*
BRANDER MATTHEWS, Litt.D., D.C.L., LL.D. . . . *Professor of Dramatic Literature*
HENRY ALFRED TODD, Ph.D. . . . . *Professor of Romance Philology*
[1] GEORGE RICE CARPENTER, A.B. . . . . *Professor of Rhetoric and English Composition*
JAMES RIGNALL WHEELER, Ph.D. . . . . *Professor of Greek*
JAMES CHIDESTER EGBERT, Ph.D. . . . . *Professor of Latin*
CALVIN THOMAS, A.M., LL.D. . . . . *Gebhard Professor of the Germanic Languages and Literatures*
CARLO LEONARDO SPERANZA, B. ès L., A.M. . . . . *Professor of Italian*
FRANZ BOAS, Ph.D. . . . . *Professor of Anthropology*
FRANKLIN T. BAKER, A.M. . . . . *Professor of the English Language and Literature*
JAMES EARL RUSSELL, Ph.D., LL.D. . . *Barnard Professor of Education*

[1] Absent on leave.

FRANK MORTON MCMURRY, Ph.D. ..... *Professor of the Theory and Practice of Teaching*
PAUL MONROE, Ph.D. ..... *Professor of the History of Education*
SAMUEL TRAIN DUTTON, A.M. ..... *Professor of School Administration*
WILLIAM PETERFIELD TRENT, LL.D., D.C.L. ..... *Professor of English Literature*
NELSON GLENN MCCREA, Ph.D. ..... *Professor of Latin*
GONZALEZ LODGE, Ph.D., LL.D. ..... *Professor of Latin and Greek*
CLARENCE HOFFMAN YOUNG, Ph.D. ..... *Professor of Greek*
LIVINGSTON FARRAND, A.M., M.D. ..... *Professor of Anthropology*
EDWARD LEE THORNDIKE, Ph.D. ..... *Professor of Genetic Psychology*
CHARLES KNAPP, Ph.D. ..... *Professor of Classical Philology*
JOHN DYNELEY PRINCE, Ph.D. ..... *Professor of the Semitic Languages*
FREDERICK J. E. WOODBRIDGE, A.M., LL.D. .. *Johnsonian Professor of Philosophy*
FRIEDRICH HIRTH, Ph.D. ..... *Dean Lung Professor of Chinese*
FELIX ADLER, Ph.D. ..... *Professor of Social and Political Ethics*
JULIUS SACHS, Ph.D. ..... *Professor of Secondary Education*
[1] CHARLES A. STRONG, A.B. ..... *Professor of Psychology*
MARSHALL H. SAVILLE ..... *Loubat Professor of American Archæology*
WILLIAM ADDISON HERVEY, A.M. ... *Adjunct Professor of the Germanic Languages and Literatures*
RUDOLF TOMBO, Jr., Ph.D. ..... *Adjunct Professor of the Germanic Languages and Literatures*
JOEL ELIAS SPINGARN, Ph.D. ..... *Adjunct Professor of Comparative Literature*
GEORGE N. OLCOTT, Ph.D. ..... *Adjunct Professor of Latin*
[1] GEORGE STUART FULLERTON, Ph.D. ..... *Professor of Philosophy*
JEFFERSON B. FLETCHER, A.M. ..... *Professor of Comparative Literature*
JOHN DEWEY, Ph.D., LL.D. ..... *Professor of Philosophy*
ROBERT S. WOODWORTH, Ph.D. ..... *Adjunct Professor of Psychology*
JOHN ANGUS MACVANNEL, Ph.D .... *Adjunct Professor of the Philosophy of Education*
ASHLEY HORACE THORNDIKE, Ph.D. ..... *Professor of English*
CURTIS HIDDEN PAGE, Ph.D. ..... *Adjunct Professor of the Romance Languages and Literatures*

GENERAL STATEMENT

The Faculty of Philosophy has charge of the advanced courses of instruction and research in philosophy, psychology, education, anthropology, philology, and letters. Any duly matriculated student is at liberty to combine courses of study and investigation under this Faculty with courses offered by the Faculties of Law, Medicine, Political Science, Pure Science, and Applied Science.

Students are received either as candidates for the degrees of Master

[1] Absent on leave.

of Arts and Doctor of Philosophy (see "Regulations for University Degrees," pages 176–182), or as "non-matriculated students," to pursue special or partial courses.

Students enrolled in any one of the theological seminaries mentioned on page 32, who may be designated for the privilege by the authorities of those institutions, and accepted by the President of Columbia University, are admitted to the courses offered by the Faculty of Philosophy free of all charge for tuition.

These institutions offer reciprocal privileges to students of Columbia University.

COURSES OF STUDY AND RESEARCH

For the courses offered in 1906–07, see departmental statements as follows:

Anthropology, page 42.
Comparative Literature, page 66.
Education, page 72.
English, page 79
Germanic Languages, page 84.
Greek (including Archæology and Epigraphy), page 88.
Latin (including Epigraphy and Roman Archæology), page 95.
Oriental Languages
Semitic, page 118.
Indo-Iranian, page 121.
Chinese, page 117.
Philosophy and Psychology, page 126.
Romance Languages page 142.
Science of Language, page 122.

For the courses to be offered for 1907–08, application should be made for the *Announcement of the Schools of Philosophy, Political Science, and Pure Science*, and for the divisional *Announcements of Classical Philology, Modern Languages and Literatures, Oriental Languages, Philosophy, Psychology, and Anthropology*, and of Teachers College, published in the spring of 1906.

The attention of students is particularly directed to the pamphlet entitled *Instruction for Graduate Students.*

FACULTY OF PURE SCIENCE

ESTABLISHED 1892

Officers of the Faculty

WILLIAM HALLOCK, Ph.D. ..... *Dean and ex-officio Member of the University Council*
CASSIUS JACKSON KEYSER, Ph.D. ..... *Secretary*
JAMES F. KEMP, E.M., Sc.D. ..... *Elected Delegate to the University Council (term expires 1907)*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.), *President*
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D. ..... *Professor of Mathematics*
CHARLES F. CHANDLER, M.D., Ph.D., LL.D., Sc.D. *Mitchill Professor of Chemistry*
HENRY S. MUNROE, E.M., Ph.D., Sc.D. ..... *Professor of Mining*
FREDERICK R. HUTTON, E.M., Ph.D., Sc.D. ... *Professor of Mechanical Engineering*
JOHN G. CURTIS, M.D., LL.D. ..... *Professor of Physiology*
ALFRED J. MOSES, E.M., Ph.D. ..... *Professor of Mineralogy*
GEORGE S. HUNTINGTON, M.D., Sc.D. ..... *Professor of Anatomy*
HENRY FAIRFIELD OSBORN, Sc.D., LL.D. ..... *Da Costa Professor of Zoölogy*
EDMUND B. WILSON, Ph.D., LL.D. ..... *Professor of Zoölogy*
JAMES F. KEMP, E.M., Sc.D. ..... *Professor of Geology*
WILLIAM HALLOCK, Ph.D. ..... *Professor of Physics*
FRANCIS B. CROCKER, E.M., Ph.D. ... *Professor of Electrical Engineering*
MICHAEL I. PUPIN, Ph.D., Sc.D. ..... *Professor of Electro-Mechanics*
T. MITCHELL PRUDDEN, M.D., LL.D. ..... *Professor of Pathology*
WILLIAM H. BURR, C.E. ..... *Professor of Civil Engineering*
THOMAS SCOTT FISKE, Ph.D. ..... *Professor of Mathematics*
HAROLD JACOBY, Ph.D. ..... *Rutherford Professor of Astronomy*
FRANK N. COLE, Ph.D. ..... *Professor of Mathematics*
FREDERIC S. LEE, Ph.D. ..... *Professor of Physiology*
BASHFORD DEAN, Ph.D. ..... *Professor of Vertebrate Zoölogy*
LUCIEN MARCUS UNDERWOOD, Ph.D., LL.D., *Torrey Professor of Botany*
HENRY M. HOWE, A.M., B.S., LL.D. ..... *Professor of Metallurgy*

JOHN FRANCIS WOODHULL, Ph.D.....*Professor of Physical Science in Teachers College*
RICHARD ELWOOD DODGE, A.M....*Professor of Geography in Teachers College*
JAMES MACLAY, C.E., Ph.D.....*Professor of Mathematics*
[1] EDMUND HOWD MILLER, Ph.D.....*Professor of Analytical Chemistry*
MARSTON TAYLOR BOGERT, A.B., Ph.B. *Professor of Organic Chemistry*
J. LIVINGSTON RUTGERS MORGAN, Ph.D.....*Professor of Physical Chemistry*
HENRY E. CRAMPTON, Ph.D.....*Professor of Zoölogy*
DAVID EUGENE SMITH, Ph.D., LL.D..... *Professor of Mathematics Teachers College*
WILLIAM J. GIES, M.S., Ph.D.....*Professor of Physiological Chemistry*
AMADEUS W. GRABAU, S.M., S.D.....*Professor of Palæontology*
HERBERT MAULE RICHARDS, Sc.D.....*Adjunct Professor of Botany*
GARY N. CALKINS, Ph.D.....*Professor of Invertebrate Zoölogy*
PHILIP HANSON HISS, Jr., M.D., Ph.D.....*Adjunct Professor of Bacteriology*
CASSIUS J. KEYSER, Ph.D.....*Adrain Professor of Mathematics*
ERNEST FOX NICHOLS, Sc.D..... ..*Professor of Experimental Physics*
LEA MCILVAINE LUQUER, Ph.D..... .*Adjunct Professor of Mineralogy*
RUSSELL BURTON-OPITZ, M.D.....*Adjunct Professor of Physiology*
THOMAS HUNT MORGAN, Ph.D.....*Professor of Experimental Zoölogy*
CHARLES LANE POOR, Ph.D.....*Professor of Astronomy*
HENRY CLAPP SHERMAN, Ph.D.....*Adjunct Professor of Analytical Chemistry*
FRANK LEO TUFTS, Ph.D.....*Adjunct Professor of Physics*
ALBERT P. WILLS, Ph.D.....*Adjunct Professor of Mechanics*
HENRY B. MITCHELL, A.M.....*Adjunct Professor of Mathematics*
HERMON C. BUMPUS, Ph.D.....*Director of the American Museum of Natural History*

GENERAL STATEMENT

The Faculty of Pure Science has charge of the advanced courses of instruction and research in all branches of pure science, and especially the supervision of candidates for the degrees of Master of Arts and Doctor of Philosophy in pure science. Students under other University Faculties are also at liberty to pursue courses of study and investigation under this Faculty.

Candidates for the higher degrees taking major subjects in pure science will be regarded as under the special jurisdiction of this Faculty.

Graduate students, candidates for the degree of Master of Arts or Doctor of Philosophy, are subject:

1. To the general regulations of the University Council. (See pages 176–182.)
2. To the special regulations of this Faculty.

[1] Died November 8, 1906

Special Regulations of the Faculty of Pure Science

The degree of Doctor of Philosophy is awarded on the basis of a thorough training in the methods of advanced work and investigation in some branch of science. The following statements are offered for the guidance of students. In the case of students of special ability or exceptional previous training, the Faculty may modify its usual regulations.

The student is expected to gain a sound general knowledge of the two minor subjects of his choice. In the major subject a much more thorough and special knowledge is required, particular importance being attached to training in research. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during one or two years, according to the nature of the subject and the previous training of the candidate, for the degree of Doctor of Philosophy. It is expected that the third year of study, and in certain cases both the second and the third years, will be wholly devoted to the major subject and to investigation for the dissertation.

The approval of the subject of the essay required for the degree of Master of Arts, or the subject of the dissertation required for the degree of Doctor of Philosophy, as well as the essay or dissertation itself, rests with the instructor in charge of the candidate's major subject. It is desirable that these studies should be related, and, when practicable, that they should be treated respectively as preliminary and completed investigations. Great importance is attached to the character of the final dissertation. While it must depend for acceptance chiefly on the subject-matter, it should show good literary workmanship, especially by directness and clearness of statement. It should demonstrate the author's capacity to do original scientific work, and to render an intelligible account thereof. It should evince a familiarity with the literature of the subject, and with the latest applicable methods of research. The treatment should be as concise as the nature of the work permits. Every dissertation should be preceded by a clear introductory statement setting forth the nature and the scope of the research, and be followed by a résumé of the results and the conclusions obtained. It should also be accompanied by a table of contents and by a list of the authorities consulted in its preparation.

Non-matriculated Students

Students who are not candidates for a degree may be permitted to pursue such courses from among those offered by this Faculty as they may be found qualified to enter upon. Each applicant must demonstrate his ability to pursue the course or courses selected, and the judges of his qualifications shall be the heads of the departments in

which he proposes to study. In general these special courses are open only to advanced students.

COURSES OF STUDY

For the courses offered for 1906–07, see departmental statements as follows:

Anatomy, page 39.
Astronomy, page 46.
Bacteriology, page 48.
Botany, page 49.
Chemistry, page 53.
Civil Engineering, page 59.
Electrical Engineering, page 76.
Engineering Draughting, page 78.
Geology, page 83.
Mathematics, page 102.
Mechanical Engineering, page 105.
Mechanics, see **Physics**.
Metallurgy, page 108.
Mineralogy, page 110.
Mining, page 111.
Physics, page 133.
Physiological Chemistry, page 135.
Physiology, page 139.
Zoölogy, page 148.

For more detailed accounts of the courses and for the tender of 1907–08, application should be made for the *Announcement of the Schools of Political Science, Philosophy, and Pure Science*, and for the divisional *Announcements of Biology, of Chemistry, of Geology, Geography, and Mineralogy, of Mathematical and Physical Science*, and of the *Schools of Engineering*, published in the spring

Particular attention is called to the pamphlet entitled *Instructions to Graduate Students*.

In addition to the above, 107 candidates for the degree of Master of Arts and 42 for the degree of Doctor of Philosophy are registered under the Faculty of Philosophy, with Education as their major subject. The names of these candidates appear in the list of graduate students in Teachers College.

SUMMARY

Students Primarily Registered under these Faculties...		808
Students from other Faculties of the University, Candidates for the Degrees of A.M., LL.M., or Ph.D.:		
From the School of Law.....	38	
From the College of Physicians and Surgeons.....	1	
From the Schools of Applied Science.....	6	
		45
Total.....		853

REGISTER OF STUDENTS, 1906-7

Under the Faculties of Political Science, Philosophy, and Pure Science

NOTE.—(p) signifying "Partial Attendance" following the name of a candidate indicates that the total hours of attendance for which the student is registered are not sufficient to fulfil the minimum residence requirement for the degree of Master of Arts in one year or that for the degree of Doctor of Philosophy in two years.

ABELS, MOSES JOSEPH SOLOMON, A.M. 1906; A.B. C. C. N. Y. 1904.... New York City
Sociology, Philosophy, Anthropology

ABRAMS, LEONARD D. (p), A.B. C. C. N. Y. 1903..... New York City
History

ABURATANI, JIROSHICHI (p), equiv. A.B. Doshisha College 1892..... New York City
Sociology, Economics

ACKERMAN, HOWARD CHESTER (p).....Syracuse, N. Y.
Philosophy, Semitics

ADAMS, JESSIE BLANCHE (p), A.B. 1904. A.M. 1906..... New York City
Education

ADAMS, RALPH ALLISON, B.S. 1906..... New York City
Economics, Jurisprudence, International Law

ALBRIGHT, VICTOR EMMANUEL,..... Terra Alta, W. Va.
A.B. Ohio Wesleyan 1901, A.M. Harvard 1904
English, Comparative Literature

ALEXANDER, COLIN CUTHBERT, A.B. Wofford College 1904 ..... Darlington, S. C.
English, Philosophy

ALEXANDER, LUTHER HERBERT, (p) A.B. Univ. Toronto 1883, A.M. 1885 New York City
Romance

ALLES, ROBERT HARRY (p), B.S. C. C. N. Y. 1906.....East Orange, N. J.
English

ALLIS, MARY L., B.S. 1896.....Amherst, Mass.
Sociology, History, Economics

ALLISON, GEORGE DEACON, Ph.B. Brown 1905..... New York City
Sociology, History, Social Economy

AMANO, LEUCHI, A.M. 1906, equiv. A.B. Doninsha College 1892..... Tokio, Japan
Economics, Sociology, Political Philosophy

ANDERSON, GUSTAVUS EDWIN, A.M. 1906, B.S. Chicago 1905..... Lehi, Utah
Geology, Mining

ANDERSON, MARY PERLE (p), B.S. Mt. Holyoke 1890.....East Berkshire, Vt.
Botany, Education

ANDREWS, RICHARD MILLS (p), A.B. Bowdoin 1896, A.M. Harvard 1899...Gray, Maine
Mathematics

ARNER, GEORGE BYRON LOUIS..... Jefferson, Ohio
A.M. 1906; B.L. German Wallace College 1904.
Sociology, Economics, History

ARNOLD, MORRIS LEROY.....Minneapolis, Minn.
A.B. Univ. Minnesota 1904; A.M. Harvard 1905
English, Comparative Literature

ATWATER, JOHN CLARENCE (p), A.B. Syracuse 1898 ..... New York City
Education

AUTENRIETH, GEORGE CARL (p), A.M. 1906; B.S. C. C. N. Y. 1902 .... New York City
Mechanical Engineering

BACHRACH, SIMON (p), A.B. C. C. N. Y. 1904 ..... New York City
History

BAKER, ELEANOR ROBINSON, A.B. Vassar 1899 ..... Bangor, Me.
Sociology

BAKER, EZRA FLAVIUS, A.M. 1903, A.B. Missouri Valley 1898.....Marshall, Mo.
Philosophy

BALDWIN, FLORENCE THEODORA (p), A.B. 1900; A.M. 1902..... New York City
Latin

BALDWIN, FRITZ WALTER, Jr., A.B. Amherst 1905.....Acworth, N. H.
History, Administrative Law

BANCKER, MARY CLARK (p), A.M. 1906, Ph.B. Michigan 1891; Ph.M. 1892 New York City
English

BARNARD, ANNA MORRELL, A.B. Univ. Michigan 1899..... Saginaw, Mich.
Latin, German, Education

BARTLETT, DWIGHT ALBERT, A.B. Williams 1903.....No. Adams, Mass.
Chemistry, Physics

BASS, BERTHA (p) A.B. Wesleyan 1889; A.M. 1889.....New York City
Latin

BATES, ERNEST SUTHERLAND, (p) A.B. Univ. Michigan 1902; A.M. 1903 .Gambier, Ohio
English, Comparative Literature

BATES, (MRS.) FLORENCE FISHER (p), ... Bay City, Mich.
A.M. 1906, A.B. Univ. Michigan 1902, A.M. Oberlin 1904
Social Economy

BAUMAN, ALBERT (p), A.B. Univ. Michigan 1904 .... Birmingham, Ohio
English, Sociology

BAUMAN, ERNEST, NICHOLAS (p), A.B. German Wallace College 1903.. Madison, N. J.
Economics

BAUMAN, EZRA (p), ...North Amherst, Ohio.
A.B. German Wallace College 1904, A.B. Univ. Michigan, 1906
Sociology

BAXTER, MABEL WARREN, A.B. Knox College 1899.....Galesburg, Ill.
History, Sociology

BECKER, FRANK CHESTER, A.B. Wesleyan 1905.....Plymouth, Penn.
Philosophy, Psychology

BECKER, GEORGE J. (p), A.B. Syracuse 1906.....Amsterdam, N. Y.
Philosophy, History

BECKER, RUDOLPH CONRAD (p), C.E. 1906; B.S. C. C. N. Y. 1903 ....New York City
Mechanics

BEECKMAN, FLORENCE LOUISE (p), A.B. 1904, A.M. 1905 ..... New York City
History

BEHA, JOSEPH LOUIS (p), A.B. 1904..... New York City
Germanic

BELLER, WILHELMINA CATHERINE (p), B.S. 1904, A.M. 1906..... New York City
English

BENSON, HENRY KREITZER, A.B. Franklin and Marshall 1899; A.M. 1902..Seattle, Wash.
Chemistry, Physics

BERINGER, AIMEE LAWRENCE,.....Franklin, Penn.
A.B. Pennsylvania College for Women 1898
English, Education

BERRY, EVIS HOWARD, A.B. Mount Holyoke 1903 ..... New York City
Zoölogy, Physiology

BILDERSEE, ISAAC (p), B.S. C. C. N. Y. 1905..... New York City
Zoölogy

BISHOP, MERLE L. (p) A.B. Hamilton ..... Whitesville, N. Y.
Mathematics

BISSELL, PELHAM ST. GEORGE (p)..... Freeport, N. Y.
A.B. 1880, A.M. 1903, A.K.C. Kings College, England 1899
Sociology

BLAIR, VEVIA (p)..... New York City
Mathematics

BLAKE, CLARA LOUISE, A.B. Mt. Holyoke 1894.....Hempstead, N. Y.
Latin, Greek, English

BLANK, MARCO ISSER (p), A.B. 1903; M.D. N. Y. Univ. 1897..... New York City
Psychology, Philosophy

BLOCKER, SIMON (p), A.B. Rutgers 1905.....New Brunswick, N. J.
Philosophy

BLODGETT, FRANCIS BRANCH (p), A.B. Hobart 1899, B.D. Harvard 1904New York City
Semitics

BLUME, JULIUS (p), Gymnasium Rheine Germany, Equiv. A.B. 1883..New York City
Romance

BOGERT, CHARLOTTE RITZEMA (p), A.B. Swarthmore 1904..... New York City
Latin

BOGGS, NORMAN TOWAR (p), A.M. 1906, A.B. Princeton 1904....East Orange, N, J.
Comparative Literature, English

BOHN, FRANK (p)..... New York City
A.M. and Ph.B. Ohio State 1900-1901, Ph.D. Univ. Michigan 1904
Political Philosophy

BOK, CHOA SAULE.....Canton, China
International Law, Constitutional Law, Economics

BOLLERT, MINNIE LOUISE (p), ...Guelph, Ontario, Canada
A.B. Univ. Toronto 1900, A.M. 1902
English

BONNELL, WALTER SCOTT, A.B Pennsylvania College 1905....Glen Gardner, N. J.
Sociology

BONNEVIE, KRISTIME (p), Ph.D. Univ. Kristiania 1906.....Kristiania, Norway
Zoölogy

BONSALL, VICTOR FITCH MOUNT (p), A.B. 1901, A.M. 1902.....New York City
English

BOTSFORD, MARY RAWSON (p), A.B. Vassar 1878, A.M. 1894....Woodbury, N. J.
English, Comparative Literature

BOWERS, LARKIN BRUCE, B.L. Ohio Wesleyan 1905.....Greenfield, Ohio
Sociology, Philosophy, Anthropology

BOWMAN, NINA CLARE (p), A.B. Kansas State Univ. 1893.. .....Newton, Kansas
Latin

BRACKETT, MARY MORRELL, A.B. 1899..... New York City
Romance

BRADFORD, ARTHUR HOWE (p), A.B. Yale 1905 .....Montclair, N. J.
Economics, Sociology

BRETT, GEORGE MONROE. A.B. Bowdoin 1897 .....Auburn, Maine
Mathematics, Mechanics, Astronomy

BREWSTER, ALICE DOROTHY, A.B. 1906..... New York City
English, Comparative Literature, History

BREWSTER, CAROL WILLIAMS, A.B. Smith 1896.....Northampton, Mass.
Anthropology, Geology

BREWSTER, JOHN ALFRED (p), A.B. Harvard 1896..... ..Geauga Lake, Ohio
Sociology

BRIGHAM, LEONARD WARD, B.S. Lombard College 1886; M.S. 1889.... New York City
Sociology

BRITTAIN, WILLIAM MACKELLAR, B.C.S., L.L.B., N.Y. Univ. 1906... New York City
Social Economy, Sociology, International Law

BRODSKY, RASUM (p), Ph.D. Heidelberg 1906..... New York City
Economics

BROOKS, BERTHA, A.B. Univ. Denver 1901.....Fort Morgan, Colo.
Physics, Education, Psychology

BROWN, IDA MAY (p) ..... New York City
Psychology

BROWN, JOHN DAVID MILLER, A.B. Muhlenburg, 1906..... Lebanon, Penn.
English, Comparative Literature

BROWN-SERMAN, STANLEY (p), A.B. 1905..... New York City
Greek, Philosophy, History

BROWNE, ETHEL NICHOLSON (p), A.B. Woman's College Balt. 1906...Baltimore, Md.
Zoölogy, Latin

BROWNE, MABEL EMMA, A.B. 1906..... New York City
Mathematics, Physics

BRUCE, GRACE (p), A.B. Vassar 1902, A.M. Elmira 1904.....Elmira, N. Y.
Philosophy, Psychology

BRUMMER, SIDNEY DAVID (p), A.M. 1901; A.B. C. C. N. Y. 1899..... New York City
History

BULLARD, H. E. (p), B.S. Emory College 1906.....Savannah, Ga.
Economics, Sociology

BURLINGHAM, GERTRUDE SIMMONS (p), A.B. Syracuse 1896..... New York City
Botany, Chemistry

BURROUGHS, MABEL (p), B.L. Smith 1900.....Oberlin, Ohio
History, German

CALDWELL, RUSH MONROE (p), A.B. Ouachita College 1903..... Saginaw, Ark.
English, History

CAMPBELL, GRACE BOWDITCH, (p), A.B. Bryn Mawr 1900.....West Orange, N, J.
History

CARPENTIER, MARIUS ALEXANDER (p), B.S. C. C. N. Y. 1889..... New York City
Romance, German

CASHMAN, JOSEPH FRANCIS (p), A.B. Adelphi 1905.....New York City
English

CATLIN, WARREN BENJAMIN, A.B. Univ. Nebraska 1903..... .....Peru, Neb.
Economics, Sociology, Administrative Law

CAZIN, ADELE (p), B.S. 1904.....Hoboken, N. J.
Germanic

CHADDOCK, ROBERT EMMET, A.M. 1906; A.B. Wooster 1900.....Minerva, Ohio
Sociology, Economics. History

CHAPIN, ROBERT COIT, A.B. Beloit 1885; A.M. 1888; B.D. Yale 1890.....Beloit, Wis.
Economics, Sociology, History

CHAPPELL, WILL CHARLES, A.B. Hillsdale College 1902..... New York City
Sociology

CHARD, STANDISH (p), L.L.B. 1906. A.B. Amherst 1902..... New York City
International Law

CHIDLEY, HOWARD JAMES (p), A.B. Dartmouth 1906....Powles Corners, Ontario, Canada
Philosophy

CHOLLAR, SARAH VOORHEIS .....Cortland, N. Y.
Ph.B. Illinois Wesleyan 1897, A.B. Michigan 1906
English, Education

CHRISTOPHER, JAMES KNIGHT, B.S. Mo. School of Mines 1905.... Kansas City, Mo.
Mining, Geology

CLARK, JOHN MAURICE, A.B. Amherst 1905..... New York City
Economics, Sociology

CLARKSON, WILLIAM TEMPLE (p), A.B. Kansas 1906.....Birmingham, Ala.
Sociology, Social Economy, Philosophy

COE, MIRIAM STOUS (p), B.S. Smith 1899 .....New York City
Geology

COHEN, ALEXANDER, A.B. C. C. N. Y. 1906.....New York City
Semitics, Philosophy, Sociology

COHEN, HELEN LOUISE (p), A.B. 1903, A.M. 1905.....New York City
English, Comparative Literature

COHEN, HELEN NESSA (p), A.B. 1903.....New York City
Semitics

COHEN, LOUIS JULIAN (p), B.S. C. C. N. Y. 1899, M.S. N. Y. Univ. 1902..New York City
Chemistry, Education, Physics

COKER, FRANCIS WILLIAM (p),.....Darlington, S. C.
A.B. Univ. North Car. 1899, A.B. Harvard 1902
Political Philosophy

COLEMAN, ANNA ALOYSIUS (p).....Pelham Manor, N. Y.
A.B. Trinity, Washington, D.C.
Romance

COLVIN, DAVID LEIGH, A.B. Ohio Wesleyan 1900.....South Charleston, Ohio
Sociology, Economics, Political Philosophy

COLVIN, MAMIE WHITE, A.B. Wheaton College 1905.....Indianapolis, Ind.
Sociology, Social Economy, History

COMIN, ROBERT (p), A.B. Princeton 1897.....New York City
History

COMMISKEY, GRACE ETHEL, A.B. Adelphi 1906.....New York City
Botany, Education

CONANT, MARTHA PIKE (p), B.S. Wellesley 1890, A.M. 1895.....Greenfield, Mass.
Comparative, Literature

COOLEY, WILLIAM FORBES (p), B.S. N. Y. Univ. 1878, M.S. 1892.....New York City
Philosophy, Anthropology

COOPER, CLAYTON SEDGWICK, A.B. Brown 1894.....Montclair, N. J.
Philosophy

CORCORAN, CHARLES ALOYSIUS (p), A.M. 1906, B.S. C. C. N. Y. 1904..New York City
Physics

CORSON, LIVINGSTON (p), B.S. Univ. Penn. 1904.....Morristown, Penn.
Germanic

COWLEY, ELIZABETH BUCHANAN (p), A.B. Vassar 1901, A.M. 1902..Poughkeepsie, N. Y.
Mathematics

CRAIG, PERCY S., A.B. Univ. Arkansas 1906.....Little Rock, Ark.
Germanic, English

CRANE, KATHARINE PRIEST, B.L. Smith 1897.....New York City
History

CRAWFORD, LEONIDAS WAKEFIELD, Jr. (p),.....Reidsville, N. C.
A.M. 1903, A.B. Trinity College N. C. 1898.
English

CRISWELL, NANCY JANE, A.B. Wilson College 1889.....Chambersburg, Pa.
Latin, History

CURTIS, CAROLINE AUGUSTA (p), A.B. Mt. Holyoke 1906.....Adrian, Mich.
History

DARBY, WILLIAM LAMBERT, A.B. Cumberland 1895, B.D. 1898.....Evansville, Ind.
Sociology, Economics, Philosophy

DARBY, WILLIAM THEODORE (p), A.B. Yale 1905.....Pownal, Vt.
English, Education

DARGAN, ALICE WOODS (p), A.B. Winthrop College 1902.....Darlington, S. C.
English, Latin

DAVIES, THOMAS, A.B. Kings College 1899, A.M. 1902.....Windsor, Nova Scotia, Can.
Sociology, Economics, History

DAVIS, ALICE (p), A.M. 1904, Ph. B. Chicago 1899.....New York City
History

DAVIS, DONALD WALTON (p), A.B. Harvard 1905.....Fraser, Penn.
Zoölogy

DAVIS, DORA WILHELMINA (p), A.B. Wesleyan 1902.....New York City
English, Comparative Literature.

DAVIS, ROBERT (p), A.B. Dartmouth 1903 ..... Harwichport, Mass.
Sociology

DAVIS, WILLIAM WATSON. ....Oak Grove, Ala.
A.M. 1906, B.S. Ala. Polytech. Inst. 1903, M.S. 1904
History, Economics

DAY, GERTRUDE BENNETT (p), A.B. Vassar 1904.....Pittsfield, Mass.
Sociology

DAY, MARSHALL MALLORY (p), A.B. 1905 .....New York City
Semitics, History

DEAN, JOHN CLARK (p). A.B. Hamilton 1905.....Elmira, N. Y.
Sociology, Economics

DE GRANGE, MCQUILKIN (p), ...Frederick, Md.
A.B. Johns Hopkins 1900, LL.B. Catholic Univ. America 1903
Comparative Literature, Sociology

DE HOLLANDER, JOHN ABRAM, A.B. Michigan 1905.....New Brunswick' N. J.
English

DENICOTT, OREY MASON (p), A.B. Keuka College 1903 .....New York City
Sociology

DHALLA, MANECKJI, NASSERVANJI .....Surat, India
Indo-Iranian Philosophy

DIEHL, FRANK, Ph.B. Univ. of Mich. 1900, B.D. Union Theol. Sem. 1904, Holt, Mich.
Philosophy, History, Psychology

DIETRICH, EMIL (p), A.B. Yankton College 1902.....Goodrich, N. D.
Sociology

DODGE, MARCELLUS HARTLEY (p), A.B. 1903 .....New York City
History

DOLGENAS, JACOB A. (p), A.B. C. C. N. Y. 1902.....New York City
Semitics, Education

DORSEY, ERASTUS ROY..... .....Atlanta, Ga.
Economics, Psychology, History, Philosophy

DOTY, ELEANOR STRANAHAN (p),A.B. Northwestern 1903 .....New York City
Education

DOTY, KATHARINE SWIFT (p), A.B. 1904, A.M. 1905 .....New York City
History, Sociology

DRUMM, CLINTON DURANT (p), A.B. St. Stephen 1903, A.M. 1906.....New York City
Sociology, History

DUBLIN, LUIS I., Ph.D. 1904, B.S. C. C. N. Y. 1901.....New York City
Zoölogy

DUDLEY, SARAH ELEANOR, A.B. Vassar 1897.....North Pleasureville, Ky.
English, Comparative Literature, Philosophy

DUFF, WILLIAM BURNS, A.B. Wabash 1906 ..... La Grange, Ind.
Economics, Sociology, Political Philosophy

DUTTON, LOUISE ELIZABETH, A.B. Vassar 1905.....Ellsworth, Maine
English, History, Education

EDELBLUTE, LUCIUS AARON, A.B. Kenyon 1904.....Chicago, Ill.
Sociology, Philosophy, History

EDGELL, FRANK DEXTER (p), A.B. Amherst 1893.....New York City
Mathematics

EGELSON, LOUIS ISAAC, A.B. C. C. N. Y. 1904.....New York City
Semitics, Sociology

EISENMANN, MAX JAMES (p), A.B. C. C. N. Y. 1902.....New York City
History

ELKINS, SAVILLA ALICE (p), B.S. 1903, A.M. 1904.....New York City
Philosophy

ELY, HARRIOTT BAXTER (p), Ph.B. Northwestern 1902, A.M. 1906..... .....Berwyn, Ill.
English, Comparative Literature

EMMETT, ARTHUR DONALDSON, B.S. Univ. Illinois 1901, A.M. 1905.....Urbana, Ill.
Chemistry, Physiology

FAIRCHILD, WILFRED ARNOLD, Met. Eng. Freiberg, Germany, 1905..New York City
Geology, Chemistry

FANSLER, DEAN SPRUILL, A.B. Northwestern 1906..... Evanston, Ill
English, Comparative Literature

FAY, CHARLES RALPH (p), A.B. Amherst 1890, A.M. 1896.....New York City
Sociology

FEDTER, BRUNO, A.B. C. C. N. Y. 1903, A.M. 1905.....New York City
Latin, Greek, German

FERRIS, PIERCE PHILLIP, A.B. 1903, A.M. Harvard 1904.....England
Philosophy, Psychology, Mathematics

FERRIS, RALPH HALL (p).....New York City
A.M. 1906, A.B. Univ. Wooster, 1901, B.D. Union Theol. Sem. 1904
Indo-Iranian

FEZANDIE, HECTOR (p), M.E. Stevens 1875 .....New York City
Physics

FICHANDLER, ALEXANDER (p), A.B. N. Y. Univ. 1905.....New York City
Economics

FISCHGRUND, MAURICE LAWRENCE (p), A.B. C. C N. Y. 1906.....New York City
English

FISH, JOSEPH BURTON (p), B.S. C. C. N. Y. 1905.....New York City
Zoölogy, Botany

FITCH, GEORGE ASHMORE (p), B.S. Univ. Wooster 1906.....Shanghai, China
Electrical Engineering

FLINT, CHARLES WESLEY, A.B. Victoria Univ. 1900.....New York City
Philosophy, Semitic

FOCHT, MILDRED (p), A.B. Bryn Mawr 1904.....Garden City, N. Y.
Psychology

FOOTE, GASTON SIMMONS, A.B. Wake Forest College 1904.....Rome, Ga.
English, Comparative Literature

FOSDICK, HARRY EMERSON (p), ...Montclair, N. J.
A.B. Colgate 1900, B.D. Union Theol. Seminary 1904.
Economics, Sociology

FOSTER, HELEN WRIGHT (p), A.B. Vassar 1901.....East Orange, N. J.
Germanic

FOSTER, WALTER EUGENE (p), A.B. Williams 1899 .....New York City
Latin

FOWLER, SUSAN (p), A.B. Bryn Mawr 1895.....New York City
Latin

FRACHTENBERG, LEO JOACHIM, A.M. 1906.....New York City
Germanic, Indo-Iranian

FRANCIS, CHARLOTTE ANNE (p), B.S. 1906 .....Honeoye Falls, N. Y.
Chemistry, Physics, Education

FRANCK, HARRY ALVERSON (p), A.B. Univ. of Mich. 1903.....Milwaukee, Wis.
Romance

FRANK, COLMAN DUDLEY (p), Ph.B. Univ. of Mich. 1897, A.M. 1900.....Toledo, Ohio
Romance

FRANZEN, BERNARD, (p), equiv. A.B. Orebro Gymnasium, Sweden, 1902....N. Y. City
Latin, Greek

FREEMAN, DANIEL ROY (p), Ph.B. Wesleyan 1905.....Ontario, Cal.
Sociology

FREEMAN, JENNIE YOUNG, A.B. Boston Univ. 1900.....Provincetown, Mass.
English, Education

FRIEDGEN, CHARLES (p).....New York City
Physics

FRIEDLAND, LOUIS SIGMUND, A.B. C. C. N. Y, 1905.....New York City
English, Comparative Literature

FRIEDMAN, HARRY GEORGE (p), A B. Univ. Cincinnati 1904.....Cincinnati, Ohio.
Economics

FROEBERG, SVEN, A.B. Bethany 1903.....New York City
Psychology

FROST, JACOB MOSES, equiv. A.B. Gymnasium Austria 1904.....New York City
Germanic, Philosophy

FUCKANO, EIJI MORITA, equiv. A.B. Waseda Univ. 1904.....Tokio, Japan
Economics, Constitutional Law, International Law

FUESS, CLAIRE MOARE, A.M. 1906, A.B. Amherst 1905.....Waterville, N. Y.
English, Comparative Literature

GALLAWAY, IDA GRAY (p), Ph. B. Univ. California 1892.....New York City
History

GANO, LINA E. (p), A.B. Kansas 1904.....New York City
Economics

GARABEDIAN, HOBANNES BARKEV, B.D. Union Theol. Sem. 1899.....New York City
Philosophy, Semitics, Indo-Iranian

GARNIER, HORATICE KNIGHT.....New York City
Philosophy

GARVIN, JOSEPH LAUREL (p), A.M. 1906, A.B. Hiram 1900.....New York City
Sociology, Economics

GATES, WAYLAND DUNN (p),.....Scranton, Pa.
A.B. Hillsdale 1903, B.D. Rochester Theol. Sem. 1906.
Philosophy, History

GELBACH, MARIE (p), A.B. 1906.....New York City
Germanic

GERE, LOUISA BREWSTER (p), A.B. Wellesley 1889.....Fulton, N. Y.
Comparative Literature

GERRISH, WILLIAM CHURCHILL, A.B. Harvard 1899.....New Canaan, Conn.
History, Sociology, Comparative Literature

GILBERT, JAMES HENRY, A.B. Univ. Oregon 1903.....Eugene, Ore.
Economics, Sociology, Political Philosophy

GILBERT, MATTHEW WILLIAM (p), A.B. Colgate 1887, A.M. 1890.....New York City
Semitics

GILES, JOHN RESTON, A.B. Univ. N. Carolina 1903.....Wilmington, N. C.
Anthropology, Psychology, Education

GOLDBERG, SAMUEL ISAAC (p), B S. C. C. N. Y. 1904.....New York City
Mathematics, Philosophy

GOLDENWEISER, ALEXANDER A., A.B. 1902, A.M. 1904.....New York City
Anthropology, Psychology

GOLDFARB, ABRAHAM (p), B.S. C. C. N. Y. 1900.....New York City
Zoölogy

GOLDMAN, BERTHA (p), A.B. Bryn Mawr 1901.....New York City
History

GOLDMAN, HETTY (p), A.B. Bryn Mawr 1903.....New York City
Greek

GOLDSMITH, THEODORA (p). A.B. Adelphi 1901.....New York City
English

GOLLOMB, JOSEPH (p), A.B. C. C. N. Y. 1902.....New York City
Psychology

GOODALE, HUBERT DANA (p), A.B. Trinity 1903, A.M. 1904.....Suffield, Conn.
Zoölogy

GORDON, JACOB (p), B.S. N. Y. Univ. 1906.....New York City
Mathematics

GORMAN, JOHN BERNARD (p), equiv. A.B. St. Joseph's Seminary 1906...New York City
Social Economy

GRAF, BERTHA, A.B. Adelphi 1904 ..... New York City
Latin, Education

GRANT, ROSCOE ALLAN (p), A.B. Wesleyan 1894; A.M. 1902 ..... New York City
Latin, Greek

GRASSO, VINCENT, D.L. Univ. of Palermo 1905 ..... Italy
Comparative Literature, Romance, Latin

GREEN, CHARLOTTE BENJAMIN (p), B.S. Knox 1890 ..... Evanston, Ill.
English

GREEN, HOWARD CHARLES, A.B. C. C. N. Y. 1902 ..... New York City
History, Economics

GREEN, THOMAS, A.B. Toronto 1902, A.M. 1906; B.D. Victoria 1906 .. Toronto, Canada
Philosophy, Sociology

GREENBERG, JACOB, A.M. 1905; A.B. C. C. N. Y. 1904 ..... New York City
Philosophy, Mathematics

GREER, FLORENCE, A.B. Vassar 1899 ..... New York City
Philosophy, Education, Economics

GREGORY, LOUISE HOYT (p), A.B. Vassar 1903 ..... Princeton, Mass.
Zoölogy, Botany

GRENDON, FELIX (p), A.M. 1902; B.S. C. C. N, Y. 1900 ..... New York City
English

GRIFFITH, ELIZABETH MINGUS (p), A.B, Bryn Mawr 1900 ..... East Orange, N. J.
English

GUÉBIN, LOUISE (p), equiv. A.B. Lycée Molière 1898 ..... New York City
Romance

HAAS, GEORGE CHRISTIAN OTTO (p), A.B. 1902; A.M. 1903 ..... New York City
Indo-Iranian

HADLEY, CAROLINE, A.B. Swarthmore 1906 ..... Swarthmore, Penn.
Economics, Social Economy, Comparative Literature

HAEFELIN, FANNY JOSEPHINE, B.S. 1905 ..... Mount Vernon, N. Y.
Germanic, French, Education

HAGEMAN, GEORGE RUSSELL (p). A.B. 1905 ..... New York City
Philosophy

HAGEN, BERTHA A. (p), A.B. Adelphi 1906 ..... New York City
English

HAHN, CLARENCE W. (p), ... Cincinnati, Ohio
B.S. Univ. Cincinnati 1899; A.M. Harvard 1903
Zoölogy

HAGOPIAN, HOVHAN, A.B. Wisconsin, 1904 ..... New York City
History

HAGUE, MARIAN ..... New York City
Sociology

HAIMAN, ELLA, A.B. Univ. Nashville 1906 ..... Nashville, Tenn.
English, German

HALL, FRANCES ESTELLE (p)., A.B. Boston Univ. 1901 ..... Jersey City, N. J.
Latin

HALL, WALTER PHELPS (p), A.B. Yale 1906 ..... Newburgh, N. Y.
History, Administrative Law

HAMMOND, LILLIAN KIRK ..... New York City
English

HARRINGTON, GRACE AILEEN (p), B.S. 1906 ..... Detroit, Mich.
Psychology, History

HARRIS, JANET NEWLAND, Ph.B. Syracuse 1901 ..... New York City
Germanic, English

HARRISON, EARL STANLEY (p), A.B. Univ. Toronto 1894 ..... New York City
Romance

HASKELL, JULIANA (MRS). (p) A.B. 1904, A.M. 1905 ..... New York City
Germanic, Spanish

HATTORI, RYOTARO (p).....Chiba-pen, Japan
Economics

HAYMAN, JACOB (p) A.M. 1906, C.E. Brown 1894.....New York City
Economics

HEINTZE, RICHARD WILHELM, Equiv. A.B. Concordia 1887..... Hawthorne, N.Y.
Germanic

HELLER, WILLIAM I., A.B. C. C. N. Y. 1904..... New York City
Romance, Education

HENDRICKS, ETHEL, A.B. 1905..... New York City
Latin, French

HENRIQUES, MAURICE COHEN (p), A.B. C. C. N. Y. 1903..... New York City
Mathematics

HENRY, JAMES MCCLURE (p), A.B. Wooster 1901.....Canonsburg, Pa.
Semitics

HERBERT, LOEN MOSES, A.B. C. C. N. Y. 1906.....New York City
Romance, Semitic, Sociology

HERRING, JOHN PEABODY (p), A.B. Brown 1904.....Providence, R. I.
Sociology, Psychology

HERRMANN, SENTA, A.B. 1906..... New York City
Philosophy, Psychology

HEVESH, JOSEPH..... ..... New York City
Semitics, Philosophy

HEWITT, MARGARET LOUISE, A.B. Wellesley 1897.....Newark, N. J.
English

HEYNICH, RICHARD O..... New York City
Germanic

HICKMAN, JOSIAH EDWIN, B.L. Michigan 1895.....Provo, Utah
Psychology, Philosophy

HILL, MARY ANDERSON (MRS.) (p), A.B. Vassar 1889..... New York City
Psychology

HILL, ROBERT TUDOR (p), A.B. Univ. Nebraska 1903.....Lincoln, Neb.
Sociology, Economics

HINKEL, FREDERICK CHARLES, Jr. (p), B.S. Trinity 1906..... New York City
Chemistry

HIRSH, ABEL, Equiv. A.B. Beth Hamidrasch, Frankfort, A.M. 1903.. New York City
Semitics, Philosophy

HIRSCHENSOHN, ESTHER, Equiv. A.B. Teachers College Paris 1903....Hoboken, N. J.
Philosophy, Psychology, Romance

HIRSCHENSOHN, MINA, Equiv. A.B. Teachers College Paris 1903.....Hoboken, N. J.
Philosophy, Psychology, Romance

HOAG, HELEN ELISABETH (p), A.B. Cornell 1894.....West Danby N. Y.
Latin

HODGETTS, ABBIE SYLVIA (p), A.M. 1902; A.B. Nebraska Wesleyan 1896.New York City
English

HOGE, ALBERT ARISTA, B.S. Virginia Military Inst. 1899.....Staunton, Va.
History, Latin, English

HOLMES, THOMAS WYATT (p), B.S. Miss. A. and M.College 1903.Agricultural College,Miss.
Chemistry, Physics

HOPKINS, FANNIE SYDEN (p), A.B. Woman's College Balt. 1903 ..... New York City
Latin, English

HORI, KENTOK, Equiv. A.B. Imp. Univ. Tokio 1899 .....Tsu, Japan
Indo-Iranian, Chinese

HORINCHI, SHUNTARO (p), A.B. Semmon Gakko, Japan, 1903.....Tokio, Japan
Economics, Sociology

HORTON, BYRON BARNES (p), Penn. State 1895.....Sheffield, Penn.
Zoölogy, Physiology

HOWE, WALTER E..... New York City
Philosophy, Sociology

HUNT, ARTHUR PRINCE (p).....New York City
A.B. Amherst 1897. A.M. 1901, B.D. Gen, Theol, Sem, 1900
Philosophy

HUNT, EMELINE KEELER (p) A.M. 1904; A.B. Vassar 1889..... New York City
English

HURLBUT, STEPHEN A. (p). A.B. Univ. Wis. 1900, A.M. 1901.....New York City
Latin

HUTCHINSON, EMILIE JOSEPHINE (p). A.B. 1905.....New York City
Economics, Sociology, Physiology

HUTH, CARL FREDERICK LUDWIG, A.B. Wisconsin, 1904, A.M. 1905...Milwaukee, Wis.
History, Jurisprudence

HWANG, YUNG LIANG, A.B. Baker 1905.....Nanking, China
Chinese, Sociology, Social Economy

HYDE, JESSE EARL (p). A.B. Ohio State 1906.....Lancaster, Ohio.
Geology, Zoology

IBA, KAN ICHI (p).....Osaka, Japan
Sociology, German

INAGAKI, YOICHIRO (p).....Wakayama, Japan
Sociology

INGRAHAM, OLIN (p). A.M. 1905, Ph.B. Wesleyan 1904..... New York City
Economics

ISHIKAWA, WASUKE. (p).....Saitama, Japan
Economics

ISHIMURA, SEIICHI (p). Equiv, A.B. Keiogiziku Univ,.....Iyo, Japan
Constitutional Law, Economics

JACOBS, LEO (p). A.M. 1905, A.B. C. C. N. Y. 1900.....New York City
Philosophy. Psychology

JACOBS, PHILIP PETER (p). A.B. Syracuse 1903.....Binghamton, N. Y.
Sociology, History

JACOBSTEIN, MEYER (p). A.B. 1904, A.M. 1905.....Rochester, N. Y.
Economics

JARRETT, BERTHA ALMA (p).....New York City
Social Economy

JARVIS, ROYAL PRESTON (p). E.M. Colo. School of Mines 1897.....Pullman, Wash.
Mining, Metallurgy, Geology

JENNINGS, CORINNE MARIE (p). A.B. St. Elizabeth College 1905....Washington, D. C.
Mathematics

JOBE, MARY L, (p). Ph. B. Scio College 1897.....Tappan, Ohio
Sociology

JOFFE, JOSHUA ABRAHAM (p), Equiv. A.B. Gymnasium Berlin 1888. .. New York City
Philosophy

JOHNSON, ANABEL, A.B. Elmira College 1890.....Burlington. Vt,
History, Education

JOSEPH, ISYA (p). A.B. 1906, B.D. Union Theol. Sem. 1906..... New York City
Semitics, History

JOSHI, SAMUEL LUCAS (p).....Roselle Park. N. J.
Sociology

JOUARD, FAREL LOUIS (p). A.B. 1904..... New York City
Chemistry

KANDA, MASAO (p) ..... Tochigi, Japan
Chinese

KAPLAN, MORDECAI MENAHEM (p), A.M. 1902; A.B. C. C. N. Y. 1900... New York City
Philosophy, Sociology, Education

KARNOPP, CHARLES FREDERICK, A.B. Lawrence..... Almond, Wis.
Sociology, Philosophy, Social Economy

KAUFFMAN, ARA WILLIS, A.B. Franklin and Marshall 1904.....Lancaster, Penn.
Economics, Sociology, English

KAUFFMAN, WILLIAM ALBERT (p), A.B. Bucknell 1895.....New York City
Physics, Education

KAWANAKA, KAUNOSUKE (p), equiv. A.B. Tohoku Gakwin 1899.....Japan
Semitics

KEEP, AUSTIN BAXTER, A.B. Amherst 1899; A.M. 1901..... New York City
History

KELLER, ELEANOR ISABELLA (p), Pd.M. N. Y. Univ. 1905..... New York City
Psychology

KEMP, WILLIAM C. B. (p) .....New York City
A.B. 1900, A.M. 1901, LL.B. 1896, LL.M. 1901
Jurisprudence

KENNEDY, MARY STEWART (p)..... .....New York City
A.M. 1902, Pd.M. N. Y. Univ. 1899, Pd.D. 1902; A.B. Adelphi 1901
Comparative Literature

KEPPLER, EMIL ALEXANDER, Ph.B. 1895, A.M. 1897.....New York City
Germanic

KEYES, ROWENA KEITH, A.B. Mount Holyoke 1902..... New York City
English, Comparative Literature

KILROE, EDWIN PATRICK (p), A.B. 1904, A.M. 1905, LL.B. 1906..Tanners Falls, Pa.
Constitutional Law

KINGSBURY, JOSEPH WALDO (p), B.S. Univ. Utah 1903.....Salt Lake City, Utah
Geology, Metallurgy

KINNISON, EFFIE (p), Ph.B. Northwestern 1903.....Ligonier, Ind.
English, Education

KLABER, WILLIAM, A.B. 1905..... New York City
Chemistry, Electrical Engineering.

KLEIN, DAVID, A.M. 1904, A.B. C. C. N. Y. 1902.....New York City
English. German

KNAUFF, GRANT, A.B. 1904, A.M. 1905.....Cleveland, Tenn.
Semitics, History, Philosophy

KNICKERBOCKER, WILLIAM EDWIN (p), A.B. C. C. N. Y. 1904..... New York City
Romance

KOENIG, NICHOLAS A., A.B. 1903, A.M. 1904..... New York City
Semitics, German

KOHN, LUCILE, A.B. 1903 A.M. 1905..... New York City
Greek, Latin, Indo-Iranian

KONG, SHUN TET (p), B.S. Univ. California 1905.....Canton, China
Mining

KOVAR, ABRAHAM (p), A.M. 1903, B.S. C. C. N. Y. 1901..... New York City
English

KOYAMA, TANIZO.....Misumura Wakayamaken, Japan
Economics, Sociology, History

KROEBER, JOHANNA (p), A.B Bryn Mawr 1900..... New York City
Zoölogy

KUPFER, ELSIE (p), A.B. 1899, A.M. 1901.....New York City
Botany

KURLANDZIK, RACHAEL (p), B.S. Univ. California 1901 .....San Francisco, Cal.
Social Economy, Sociology

KUSCHKE, CARL, equiv. Mech.E. Mittweida Inst. of Tech. 1906.....Germany
Mathematics, Physics

LAKE, HENRIETTA (p), B.S. St. Lawrence Univ. 1886. ..... New York City
Social Economy

LAKEMAN, CURTIS EDMUNDS (p), A.B. Harvard 1904, A.M. 1905.....Newark, N. J.
Sociology

LAMB, EDWIN GIFFORD, A.B. Stanford 1904 ..... New York City
Sociology, Philosophy, Economics

LAMBUTH, DAVID KELLEY, A.M. 1901, A.B. Vanderbilt 1900.....Nashville, Tenn.
English, Sociology

LAMONT, FLORENCE, A.M. 1898, A.B. Smith 1893,.....Englewood, N. J.
Philosophy

LANE, BEATRICE ERSKINE (p), A.B. Radcliffe 1898.....Stamford, Conn.
Philosophy

LATHAM, MARCIA LOUISE (p), B.S. Univ. North Carolina 1900.....Plymouth, N. C.
Mathematics, Education

LAWRENCE, LILLIE MARIA (p), B.S. 1905.....Lebanon, N. H.
Latin

LAWSON, CHARLES FRANCIS, A.B. 1903, A.M. 1904..... New York City
English, Comparative Literature

LEARY, RUSSEL WOODWARD, A.B. Rutgers 1902.....Elizabeth, N. J.
English, History

LEBOWICH, LEO (p), A.B. C. C. N. Y. 1904..... New York City
Physics

LEE, BURTON HOWARD (p), A.B. Yale 1902..... New York City
Sociology, History

LEIBSON, JACOB JOSHUA (p), B.S. C. C. N. Y. 1901..... New York City
English

LELAND, ABBY PORTER (p).....Mechanicsville, N. Y.
A.B. 1905, A.M. 1906, Pd.B. State Normal (Albany) 1900
Philosophy, Education

LELAND, FANNIBELLE (p), A.B. 1905..... New York City
Comparative Literature, German

LEMOWITZ, NATHAN H. (p), B.S. C. C. N. Y. 1904..... New York City
History

LENT, ROSAMOND ROBERTA (p), B.L. Smith 1901..... New York City
Comparative Literature

LESTER, CLAUD FREDERICK (p), B.S. Middlebury College 1903.....Elizabeth, N. J.
History

LESTER, JAY D. (p), A.B. Syracuse 1900..... Lacona, N. Y.
History

LEVINE, MORRIS, A.B. C. C. N. Y. 1906..... New York City
Semitics, Philosophy, Sociology

LEVY HENRY ALFRED (p), A.B. C. C. N. Y. 1900..... New York City
Mathematics

LEWINSKI, EDWARD HENRY, equiv. A.B. Warsaw College, Poland, 1902..New York City
Economics, Sociology, Jurisprudence

LICHTENBERGER, JAMES P., A.B. Eureka 1895, A.M. Hiram 1902.....New York City
Sociology

LINCOLN FRANCIS CHURCH,.....New York City
A.M. 1906, B.S. Mass. Inst. Tech. 1900, E.M. N.M. School of Mines 1903
Geology, Mineralogy, Paleontology

LINEHAN, PAUL HENRY (p), A.B. Harvard 1902 .....New York City
Mathematics

LIPKE, JOSEPH (p), B.S. 1905, A.M. 1906..... New York City
Mathematics

LITCHFIELD, BAYARD SANDS, B.S. Harvard 1903..... New York City
Geology

LOBENSTINE, EDWIN CARLYLE (p), A.B. Yale 1895..... New York City
Chinese

LONG, JULIA JAMES, A.B. Wellesley 1906.....New York City
Sociology, Social Economy, Education

LORING, FRANK CARLTON, B.S. Purdue 1904.....Marion, Ind.
Physics, Mathematics, Chemistry

LOSEE, FRANK IRA (p), Ph.B. Union 1905.....Fergusonville, N. Y.
History

LOSHE, LILLIE DENNING, A.B. Bryn Mawr 1899..... Stamford, Conn.
English

LOWIE, ROBERT HARRY, A.B. C. C. N. Y. 1901..... New York City
Anthropology, Psychology

LOWTHER, EDGAR ALLAN (p), A.B. Syracuse 1902 ..... New York City
Sociology

LUBLIN, CURTIS, A.B. 1905, A.M. 1906 ..... New York City
English, Education

LUCAS, EDMUND DELONG (p), A.B. Wooster 1903 ..... New York City
Semitics

LYNCH, CARRIE VINIA, A.B. Smith 1894 ..... Boston, Mass.
Latin, Greek

MCCLANE, WALTER DORNEY (p), A.B. Lincoln Univ. 1905 ..... New York City
Sociology

MCCLELLAND, GEORGE WILLIAM (p), A.B. Univ. Penn. 1903 ..... Dobbs Ferry, N. Y.
English

MCCOOK, JANETTA ALEXANDER (p), A.B. 1902, A.M. 1903 ..... New York City
Philosophy

MCCORMICK, THOMAS (p), A.B. Fordham 1902 ..... Easton, Penn.
Political Economy, Sociology

MCDOWELL, PAULINE (p), A.B. Wellesley 1896 ..... Newark, N. J.
Chemistry

MCKIM, CHRISTINA LOUISE (p), A.B. 1901 ..... Yonkers, N. Y.
Social Economy

MCLAURY, CHARLES H. (p), A.B. Syracuse 1900, A.M. 1902 ..... Deposit, N. Y.
Latin

MCNEELY, ELIZABETH, A.M. 1906, A.B. Toronto, 1896 ..... Ontario, Can.
History

MACCARTNEY, CLARENCE EDWARD (p) ..... Paterson, N. J.
A.B. Univ. Wis. 1901, A.M. Princeton 1904
English

MACCARTNEY, WILHELMINA (p), B.L. Univ. of Denver 1898 ..... Passaic, N. J.
Germanic, History

MAGARGE, SAMUEL J., Jr., (p), ... New York City
A.B. St. Joseph's College 1896, A.M. 1898, B.S. Univ. Penn. 1900.
Mathematics

MAILLOUX, CYPRIAN ODILON (p), ... New York City
E.E. Bklyn Polytechnic 1905, M.S. 1906
Mathematical Physics

MALMBERG, FRITZ CONSTANTINE, A.B. Bethany 1903 ..... St. Peter, Minn.
Philosophy, English, German

MANN, KRISTINE (p), A.B. Smith 1895, A.M. Michigan 1901 ..... New York City
Philosophy

MARK, MARY LOUISE, A.B. Ohio State 1903 ..... Fultonham, Ohio
Social Economy, Sociology, English

MARKLEY, MARY ELIZABETH, A.B. Ursinus 1902 ..... Mansfield, Ohio
English, Education, Comparative Literature

MARSTON, JAMES PHILIP, A.B., 1906 ..... Hallowell, Maine
English, Education

MASON, JOHN ANGUS CAMPBELL, A.B. 1905 Toronto ..... Stratford, Ontario, Canada
History, International Law

MAY, CLARENCE EARL, A.B. Indiana Univ. 1904, A.M. 1905 ..... Bloomington, Ind.
Chemistry

MAYO, MARION JUDSON (p), Pd.D. N. Y. Univ. 1903, A.M. 1904 ... Prestonsburg, Ky.
Education

MEAD, CHARLES SEARING (p). A.M. 1906, B.S. Ohio State 1904 ..... New York City
Zoölogy

MELAMED, RAPHAEL HAI, A.B. N. Y. Univ. 1906 ..... New York City
Philosophy, Sociology

MELLICK, ANNA COLE (p), A.B. 1896 ..... New York City
Latin

MELVILLE, NORBERT JOHN (p), A.B. C. C. N. Y. 1904.....Deer Park, L. I.
English

MERCHANT, ELY OTHMAN (p), A.M. 1906, A.B. Amherst 1904.....Boston, Mass.
Economics

MIKAMI, Y. (p).....Tokio, Japan
Administrative Law

MILLER, CATHERINE ANN.....Morristown, Tenn.
A.B. Univ. Chicago 1903, B.D. Hartford Theol. Sem. 1900
English, Comparative Literature

MILLS, ELEANOR (p), A.B. Vassar 1906..... New York City
English, Education

MILLS, JOSEPH STRAYER (p), A.B. Western Md. College 1890..... New York City
Chemistry

MINER, MAUDE EMMA (p), A.B. Smith 1901..... New York City
Social Economy, Sociology, History

MITCHELL, JULIA POST (p), A.M. 1904, B.L. Smith 1901..... New York City
English, Comparative Literature

MOELLER, PHILIP, A.B. 1904, A.M. 1905 ..... New York City
English, Comparative Literature

MONTGOMERY, BELL WOODS, A.B. Winthrop 1901.....Marion, S. C.
History, English

MONTGOMERY, GEORGINA GARDINER (p), B.L. Smith 1899.....Holyoke, Mass
Romance

MOORE, JUSTIN HARTLEY, A.M. 1904, A.B. C. C. N. Y. 1903.....New York City
Indo-Iranian. Greek

MOORE, OTIS HENRY (p), A.B. Cornell (Ia.) 1905.....Mt. Vernon, Ia.
English

MOORE, SABRA MAUDE (p), A.B. Wellesley 1898..... New York City
English

MOORE, WINIFRED TOOLEY (p).....Marion, Ala.
Germanic

MORGAN, CHARLOTTE ELIZABETH, ...New York City
A.B. 1904, A.M. 1905, A.M. Radcliffe 1906
English, Comparative Literature

MORGULIS, SHABSA (p).....New York City
Equiv. A.B. Gymnasium Ananieff, Russia, 1904
Zoölogy, Botany

MORREY, WILLIAM THOMAS (p) ....New York City
A.B. Ohio State 1888, A.M. N. Y. Univ. 1893
History

MORRIS, FREDERICK KÜHNE (p), B.S. C. C. N. Y. 1904 ..... New York City
Zoölogy

MORSE, MAX, B.L., Ohio State 1903, A.M. 1904..... New York City
Zoölogy, Physiology

MOSHER, JOSEPH ALBERT, Ph.B. Syracuse 1905, Ph.M. 1906.. .....Millerton, Pa.
English, Comparative Literature

MULLEN, LORING BLANCHARD (p), Ph.D. Wooster 1898..... New York City
Mathematics, Physics

NAMMACK, ELIZABETH F, (p), A.B. 1895, A.M. 1896..... New Rochelle, N. Y.
Latin

NASON, ARTHUR HUNTINGTON, A.B. Bowdoin 1899, A.M. 1903..... Augusta, Me.
English

NEILSON, JOHN.....Larchmont, N. Y.
Astronomy

NELSON, ALLEN H., A.M. 1902, A.B. Middlebury 1901.....West Salisbury, Vt.
Physics

NELSON, JOHN MAURICE, B.S. Univ. Nebraska 1901..... Oakland, Neb.
Chemistry, Physics

NESBIT, WILLIAM MARSIGLIA, A.B. 1902, B.D. Drew Theol. Sem. 1905. New York City
Semitics

NEW, FRANCIS DILLON (p), A.B. Seton Hall 1894, A.M. 1896. . . . New Brunswick, N. J.
Romance, English

NEWCOMER, HARVEY (p), A.B. Franklin and Marshall 1892, A.M. 1895. . Yonkers, N. Y.
Physics

NICHOLS, CLARENCE. A.B. 1905. . . . . Yonkers, N. Y.
Germanic, Latin

NISSENSON, SAMUEL GEORGE (p), A.M. 1905, A.B. C. C. N. Y. 1904. . . New York City
History

NOLAN, JOHN HARRISON (p), A.B. Dartmouth 1904. . . . . Andover, Mass.
Philosophy

NOLTHENIUS PAUL TUTEIN . . . . . Amsterdam, Holland
Chemistry, Electrical Engineering, Mechanical Engineering

NORWOOD, ROBERT WENKWORTH (p), ... Hubbards, N. S
A.B. Kings College 1897, A.M. 1904
Philosophy, History

O'DONNELL, PATRICK JOSEPH (p), B.C.L. Maynooth, Ireland, 1901. . . . New York City
Philosophy, Psychology

OGDEN, CHARLES JONES, A.B. 1900, A.M. and LL.B. 1903 . . . . . New York City
Greek, Latin, Indo-Iranian

OPPENHEIM, SAMSON DAVID (p). . . . . New York City
B.S. C. C. N. Y. 1887, A.B. Harvard 1889, J.D. N Y. Univ. 1906
Economics

OSBORN, RAYMOND CARROLL (p). . . . . New York City
Ph.D. 1906, B.S. Ohio State 1898, M.S. 1900
Zoölogy

OSGOOD, CHARLES SUMNER (p), A.B. Stanford 1906. . . . . San José, Cal.
Sociology, Economics, History

OSHIMA, CHIKASADA, A.B. Waseda Univ. 1902. . . . . Tokio, Japan
Economics, Sociology, International Law

O'SULLIVAN, MICHAEL, Ph.B. St. Francis Xavier 1894. . . . . New York City
Social Economy, International Law, Sociology

OTIS, WILLIAM BRADLEY, A.M. 1904, A.B. Iowa College 1901. . . . . New York City
English

OVERHOLSER, CHARLES ELMORE, ... New York City
A.B. Franklin and Marshall 1897, A.B. Harvard 1899, A.M. 1900
Latin, Greek

PALMER, HERRIOTT CLARE (p), ... New York City
A.M. 1906, B.S. Franklin College 1889, Ph.M. 1897
History, Political Philosophy

PANARONI, ALFRED GEORGE (p), B.S. C. C. N. Y. 1902. . . . . New York City
Romance

PARSONS, PHILIP ARCHIE, A.B. Christian Univ. 1904, A.M. 1905. . . . . Plainfield, N. J.
Sociology, Philosophy

PATCH, HARRIET ELIZA, B.L. Smith 1897. . . . . East Gloucester, Mass.
Comparative Literature

PATERSON, ROBERT GILDERSLEEVE, A.B. Ohio State 1905. . . . . Columbus, Ohio
Social Economy, Sociology, Administrative Law

PATTERSON, FRANK ALLEN, A.B. Syracuse 1904. . . . . East Bloomfield, N. Y.
English, Comparative Literature

PEARL, JOSEPH, A.B. C. C. N. Y. 1906. . . . . New York City
Latin, Greek

PEARSON, PHILIP COMBS (p), B.S. Mass. Inst. Tech. 1902. . . . . Newburyport, Mass.
Sociology, Economics

PEISER, DELWYN WALTER (p). . . . . New York City
English, Jurisprudence

PERCIVAL, HAROLD SPENCER (p), A.M. 1906, A.B. Stanford 1903.....Canada
Philosophy, Psychology

PERRIER, JOSEPH LOUIS, A.M. 1906, St. Francis Xavier 1905.....New York City
Philosophy, Romance

PERRIN, ERNEST NÖEL (p), LL.B. 1885, A.B C. C. N. Y. 1879, A.B.....New York City
Harvard 1882
Romance

PETERS, LOUISE EDGAR, A.B. 1904..... Englewood, N. J.
Philosophy

PHILP, MARY I. (p), A.M. 1906, Ph.B. Syracuse 1901..... Chateaugay, N. Y.
Philosophy

PIGNOL, GERTRUDE (p), B.S. 1904 ..... New York City
Romance

PLASKETT, GEORGE MARSHALL (p).....New York City
Sociology

PLEASANT, ELLIS EUGENE, A.B. Union Christian College 1900..... Merom, Ind.
Philosophy

PORTERFIELD, ALLEN WILSON (p). .. .. Bedington, W. Va.
A.B. West Virginia Univ. 1899, A.M. 1901
Germanic

POWELL, HARRY WHEELER (p), B.S. C. C. N. Y. 1883,..... New York City
Mathematics, Astronomy

POWELL, THOMAS REED (p)..... Burlington, Vt.
A.B. Univ. Vermont 1900, LL.B. Harvard 1904
Administrative Law, Political Philosophy

PRICE, WILLIAM RALEIGH, A.B. Cornell 1898..... New York City
Romance, Germanic

PRITCHARD, ANNA M. (p), A.B. Adelphi 1904..... New York City
English

QUACKENBOS, GEORGE PAYN (p), A.B. 1900, A.M. 1901..... New York City
Indo-Iranian

RABENORT, WILLIAM LOUIS (p), B.S. 1906..... New York City
Philosophy, Education

RABINOWITZ, ELIAS NATHAN (p), A.B. Haverford 1903.....Philadelphia, Penn.
Semitics

R'ADIN, MAX, A.B. C. C. N. Y. 1899, LL.B. N. Y. Univ. 1902. ..... New York City
Greek. Latin

RAMSAY, CHARLES LEAVENWORTH (p).....Detroit, Mich.
Philosophy

RAPPEPORT, ROBERT LOUIS (p), A.B. C. C. N. Y. 1905..... New York City
Philosophy

RASCHEN, JOHN FREDERICK LOUIS (p).....Easton, Pa.
A.B. German Wallace College 1895
Germanic

REBER, JOHN (p), A.M. 1906, A.B. Seton Hall 1903.....Bayonne, N. J.
Germanic, English

REDDICK, HARRY WILFRED (p).....Knightstown, Ind.
A.B. Indiana 1904, A.M. Illinois 1906
Mathematics, Physics

REDDING, HELEN EDMUNDS, A.B. Adelphi 1901..... New York City
Latin, History

REDMOND, DANIEL WALTER (p), Ph.B. Hamilton 1901.....New York City
Economics, Sociology

REED, ALFRED ZANTZIGER (p), A.B. Harvard 1897, A.M. 1898.....New York City
Administrative Law, History

REILEY, KATHARINE CAMPBELL (p), A.M. 1902; A.B. Vassar 1895.. ....New York City
Latin, Greek

REILLY, JOSEPH JOHN (p), A.B. Holy Cross 1904, A.M. 1906 ..... New York City
English, Camparative Literature

RENSHAW, RAEMER REX (p). B.S, Oregon 1902, M.S. 1903.....New York City
Chemistry

REPPERT, EMMA LE MAITRE, A.B. Univ. Iowa 1902.....Burlington, Iowa
English, Education

REITLINGER, BLANCHE HORTENSE, (p), A.B. 1905, A.M. 1906.....New York City
Germanic

RIBLET, MARY VARIAN, (p) ..... New York City
B.S. 1903, A.M. 1905, A.B. Normal College 1896
English, Education

RICE, EDWARD L. (p), A.B. Wesleyan 1892; Ph.D. Munich 1895.....Delaware, Ohio
Zoölogy

RICHARDS, FLORENCE SAEGER, B.S. 1905.....Minersville, Penn.
Latin, English, Education

RISTINE, FRANK HUMPHREY, A.B. Wabash 1905, A.M. 1906....Crawfordsville, Ind.
English, Comparative Literature

RITTER, ALICE EMILY BORGFELDT (MRS.) (p), A.B. Adelphi 1904.....New York City
English

ROBERTS, CHARLES MCGIBENY, Ph.B. Kenyon 1906.....New York City
Administrative Law, Constitutional Law, Economics

ROBERTS, MAY, A.B. Elmira 1897.....Elmira, N. Y.
Germanic, Comparative Literature

ROBINSON, BENJAMIN WILLARD (p).....New York City
Ph.D. 1906, A.B. Univ. Chicago 1901, Ph.D. 1904
Semitics

ROBINSON, MABEL LOUISE (p), A.B. Radcliffe 1903.....Waltham, Mass.
Zoölogy, English

RODMAN, HENRIETTA (p), B.S. 1903.....New York City
Social Economy, Psychology, English

ROELKEY, DAVID ERNEST (p), A.B. Fordham 1905.....Frederick, Md.
Bacteriology, Chemistry

ROESSLER, ERWIN WILLIAM EUGENE (p), A.B. Univ. Chicago 1900....New York City
Germanic

ROGERS, HELEN ERMA, A.B. Allegheny 1903.....Franklin, Penn.
English, Education

ROSENBLATT, MAX (p), A.M. 1906.....New York City
Germanic

ROSENSTADT, BERTHA (p), A.B. Toronto 1898, A.M. 1899.....New York City
Germanic

ROSINGER, SAMUEL, equiv. A.B. Univ. of Berlin 1904.....New York City
Semitics, Sociology

ROSS, JOHN GILMORE (p), A.B. Univ. W. Va. 1901, C.E. 1902.....Morgantown, W. Va.
Chemistry

RUBENOVITZ, HERMAN H., A.B. C. C. N. Y. 1905.....New York City
Semitics, Philosophy

RUUTZ-REES, CAROLINE (p), LL.A. St. Andrews, Scotland, 1904....Greenwich, Conn.
Romance, Philology

RUSHMORE, ELISE MITCHELL (p), A.B. Vassar 1906.....New York City
History, Philosophy

SACHSSE, DOROTHEA KOTZSCHMAE (MRS.) (p), B.L. Smith 1899.....New York City
Germanic

SACKETT, NATHAN, Ph.B. Brown 1906.....Providence, R. I.
Mathematics, Physics, Philosophy

SAILER, THOMAS HENRY POWERS (p).....New York City
A.B. Princeton 1889, Ph.D. Univ. Penn. 1895
Sociology

SAIT, EDWARD MCCHESNEY, A.B. Toronto 1902, A.M. 1903..Oakville, Ontario, Canada
Constitutional Law, International Law, History

SAPIR, EDWARD, A.B. 1904, A.M. 1905.....New York City
Linguistics, Anthropology, German

SATOW, WALTER.....Tokio, Japan
History, Economics, Sociology

SAUNDERS, CATHARINE, A.B. Elmira 1891.....Belfast, N. Y.
Latin, Greek

SAXE, BERNHARD DAVID (p), A.M. 1903, B.S. C. C. N. Y. 1899..... New York City
Philosophy

SCHAPIRO, JACOB SALWIN (p), A.B. C. C. N. Y. 1904.....New York City
History

SCHELLITZER, MAX (p), A.B. C. C. N. Y. 1904.....New York City
English, Education

SCHLAUCH, WILLIAM STORB (p), B.S. Univ. Penn. 1903.....New York City
Mathematics

SCHLOSSBERG, JOSEPH.....New York City
Economics, Political Philosophy

SCHOTTENFELS, IDA MAY (p).....New York City
A.B. Northwestern 1892, A.M. Chicago 1895
Mathematics

SCHOTTLAND, JOSEPH, A.B. C. C. N. Y. 1904.....New York City
Philosophy, Psychology, History

SCHRADIECK, HELEN ELIZABETH (p), A.B. Adelphi 1905.....New York City
Germanic

SCHUEHARD, GOTTLIEB KARL LUDOLPH,.....Hersfeld, Germany
Equiv. A.B. Gymnasium
Germanic, Sanskrit

SCHULDENFREI, LEWIS, LL.B. 1905.....New York City
Sociology, Economics, History

SCHULER, JOHN, A.B. German Wallace 1891.....Mt. Vernon, N. Y.
Germanic, History

SCHULZE, HENRY HERMANN LEWIS, A.M. 1905, A.B. C. C. N. Y. 1903 .Yonkers, N. Y.
Germanic, English

SCHULTZ, META ELIZABETH (p), A.B. Adelphi 1906.....New York City
Latin, Greek, History

SCHUYLER, ELMER (p), B.S. Lafayette 1897, M.S. 1900.....New York City
Mathematics

SCHWARZ, HERBERT FERLANDO, A.B. Harvard 1904, A.M. 1905.....New York City
English, Comparative Literature

SCHWERIN, NETTIE PICKARD (MRS.) (p), B.S. 1904.....New York City
Philosophy, Psychology

SEAMAN, EMILY CROMWELL.....New York City
Chemistry

SEATON, CLARE MARIA, B.S. 1906.....Richfield Springs, N. Y.
Social Economy, English, Education

SEAVER, FREDERICK JAY (p),.....Mt. Pleasant, Ia.
B.S. Morningside College 1902, M.S. Univ. Iowa 1904
Botany, Zoölogy

SENIZA, FRANCES CATHARINE (p), B.S. 1903.....Hoboken, N. J.
Physics

SHELANDER, ASAPH ROBERT (p), A.B. Augustana College 1899.....Whitehall, Mich.
Philosophy

SHEPARD, ROBERT LINCOLN (p), A.B. Mo. Valley 1897.....Marshall, Mo
Sociology, Philosophy

SHERMAN, LUCY FIDELIA (p), A.B. 1903.....Peekskill, N. Y.
Latin

SHERMAN, RICHARD ELI (p),..... New York City
A.B. Mo. Valley 1900, B.D. Cumberland 1903
Sociology, Philosophy

SHIKAMURA, YOSHIHISA (p).....Tokio, Japan
Economics

SHINN, NATALIE IDA (p), A.B. 1906.....Pelham Manor, N. Y.
English

SHUART, CLARA, A.B. Oberlin 1901.....Oberlin, Ohio
English, History

SILBERBERG, BERENICE (p), B.S. Purdue 1905.....New York City
Botany

SILVERMAN, HERMAN, Ph.B. Yale 1906.....New York City
English, Education

SITTERLY, ERWIN FRANKLIN (p), A.B. Southwest Kansas College 1903..Madison, N. J.
English

SMITH, JOSEPH HENDERSON, A.B. Harvard 1901.....Newton, Mass.
Romance, Comparative Literature

SMITH, LINDA CLARKE, B.S. Univ. Rome 1906 ..... New York City
Sociology

SMITH, PRESERVED (p), A.M. 1902, A.B. Amherst 1901..... New York City
History

SMITH, WINIFRED, A.B. Vassar 1904.....New York City
English, Comparative Literature, Psychology

SNEED, GLEN LAWSON (p),.....New York City
B.S. Agr. and M. College 1898, A.B. Trinity 1903
Sociology, History

SNIDER, GUY EDWARD (p), B.L. Wisconsin 1901, A.M. Missouri 1902...New York City
Sociology, Administrative Law

SNODGRASS, ORRIN WILMER,.....Orange, N. J.
A.B. N. Y. Univ. 1895, B.D. Drew Theol. Seminary 1898
Economics, History, English

SNOW, FRANCIS WALSON, Equiv. A.B. Harvard 1903.....New York City
Romance, Comparative Literature

SNOWDEN. ALICE EDDY (MRS.) (p) .....New York City
A.M. 1905, B.Pd. Michigan State Normal 1901, A.B. 1904
Greek

SPECK, FRANK GOULDSMITH, A.B. 1904, A.M. 1905.....Hackensack, N. J.
Anthropology, Semitics

SPRINGER, ADA, B.S. 1906.....East Las Vegas, N. Mex.
Zoölogy, Geology

STABER, MAUD JOHANNA (p), B.S. 1901,.....New York City
Botany, Zoölogy

STAIR, BIRD WILLIAMS (p), B.S. Purdue 1899, M.S. 1901.....Buck Creek, Ind.
English

STEARNS, STELLA BURGER (p) A.B. Minnesota 1892.....Duluth, Minn.
English, Comparative Literature

STEEL, MATTHEW, B.S. New Mexico A. and M. College 1901, M.S. 1902.New York City
Chemistry

STEITZ, AUGUST (p), A.B. N. Y. Univ. 1905, A.M. Yale 1906.....New York City
Germanic

STEVENSON, RESTON, A.B. North Carolina 1902, A.M. 1903.....Wilmington, N. C.
Chemistry, Physics

STEWART, CHARLES ARTHUR, A.B. 1906.....New York City
Geology, Mineralogy

STOCKARD, CHARLES RUPERT (p)..... .....Columbus, Miss.
B.S. Mass. A. and M. College 1899, M.S. 1902
Zoölogy

STONE, IMOGEN, A.B. Cornell 1902, A.M. 1903.....Clinton, La.
English, History

STONE, MARGARET HOLMES (p), A.B. 1904.....New York City
Botany

STRAUS, JESSE ISIDOR (p), A.B. Harvard 1893.....New York City
Economics, History

STRECKER, CHARLES LLOYD (p), Ph.B. German Wallace 1904.....Marietta, Ohio
Social Economy

STUART, DONALD CLIVE, A.B. Michigan 1903, A.M. 1904.....Princeton, N. J.
Romance, Comparative Literature

TALLMAN, LAVINIA (p), A.B. Vassar 1904.....East Orange, N. J.
English, Education

TANAKA, AIJIRO, Equiv. A.B. Yokohama College 1901.....Yokohama, Japan
Economics, Sociology, Political Philosophy

TAYLOR, CHARLES EDWARD, B.S. Case School of Applied Science 1906..Penn Yan, N. Y.
Chemistry, Electrical Engineering

TAYLOR, HENRY BOWMAN, E.M. 1906.....Kansas City, Mo.
Geology, Metallurgy

TAYLOR, JEANNETTE STUART (p), A.B. Vassar 1904.....New York City
Education

TAYLOR, JOHN WARNER, A.B. 1903, A.M. 1905.....Utica, N. Y.
English, Comparative Literature

THOMAS, ARTHUR GEORGE, A.B. Chicago 1903..... Sioux City, Iowa
International Law, Administrative Law, History

THOMAS, DAVID (p), A.B. Ripon 1906.....Wales, Wis.
Sociology, History

THOMAS, MARY REAMEY, A.B. Trinity (N. C.) 1906.....Martinsville, Va.
English, Comparative Literature

THOMPSON, CLARA MILDRED, A.B. Vassar 1903.....Atlanta, Ga.
History, Sociology

THOMPSON, NEWTON WAYLAND .....Albany, N. Y.
Economics, Sociology

THURBER, CANDACE (p). B.L. Smith 1904.....New York City
Comparative Literature

TILNEY, FREDERICK (p) .....New York City
A.B. Yale 1897, M.D. Long Island College Hospital 1903
Anatomy

TINTNER, BENJAMIN ABNER (p), A.B. 1903.....New York City
Semitics

TODD, JOSEPH CLINTON, A.B. Mo. Valley 1901.....Brentwood, N.Y.
Sociology, Economics

TOMPKINS, NANNA M., A.B. Vassar 1894.....Poughkeepsie, N. Y.
History, Education

TREKIN, BERTHA ELEANOR, A.B. Wellesley 1897, A.M. 1906.....Xenia, Ohio
Germanic, English

TREVOY, WILMOT VIVIAN (p), A.B. Amherst 1902, A.M. 1905.....Cornwall, N. Y.
Sociology, English

TRIPP, MYRON OWEN (p) A.B. Indiana 1901.....Yonkers, N. Y.
Education

TROWBRIDGE, JANETTE (p), B.S. 1906.....Westhaven, Conn.

TUCKER, HELEN AUGUSTA (p), A.B. Smith 1895.....Avon, Mass.
Social Economy

TURNER, JULIA EMERY, (p) A.B. Vassar 1895.....Quincy, Ill.
English

TUTTLE, FRANK HARRISON, B.S. Princeton 1905, A.M. 1906.....New York City
Geology, Zoölogy, Mineralogy

TUTTLE, MARION EMITH, A.B. Trinity (N.C.), 1906.....Fayetteville, N. C.
English, Comparative Literature, History

TYMAN, JOSEPH LAWRENCE (p), A.B. C. C. N. Y. 1901.....New York City
English, History

TYNG, ELIZABETH MCJIMSEY (p), A.M. 1904, A.B. Cornell 1903.....New York City
Latin

UNDERHILL, RUTH MURRAY (p), A.B. Vassar 1905.....Ossining, N. Y.
Social Economy

VANDERBURGH, FREDERICK AUGUSTUS (p), A.B. Rochester 1876....New York City
Semitic History

VAN KLEECK, MARY ABBY (p), A.B. Smith 1904.....New York City
Economics

VAZAKAS, ALEXANDER ARISTIDIS (p), A.B. N. Y. Univ. 1904.....Athens, Greece
Philosophy

VENTRES, ADELAIDE BRAINERD, A.B. Smith 1888.....Bloomfield, N. J.
Latin

DI VEZZANO, RINO DI NOBILI (p).....La Spezia, Italy
Indo-Iranian, History

VINEBERG, SOLOMON, A.B. McGill 1906.....Montreal, Canada
Economics, Sociology, History

VON UNWERTH, FRIDA (p), Ph.B. Chicago 1903.....Kansas City, Mo.
Germanic

WALKER, OLNEY KINKEAD,.....Milton Junction, Iowa
A.B. Coe 1903, A.M. Princeton 1905, B.D. Princeton Theol. Sem. 1906
History, Philosophy

WALLIN, AXEL REYNOLD, A.B Augustana College 1902..... Kenilworth, N. J.
Latin, Greek

WALTON, GEORGE ARTHUR (p), A.B. Univ. of Penn. 1904....George School, Penn.
English, Education

WALTON, SOPHIE (MRS.) (p), A.B. Mt. Holyoke 1879.....Bellport, N. Y.
English

WEAVER, AILEEN MARCH, A.B. Kansas 1906.....Lawrence, Kan.
Romance, English

WEBB, HAROLD WORTHINGTON, A.B. 1905.....Glen Ridge, N. J.
Physics, Chemistry

WEEKS, MABEL FOOTE (p), A.B. Harvard 1894..... West Medford, Mass.
Greek

WEIL, ELSA IDA, A.B. Vassar 1906.....New York City
English, Education

WELCH, ALBERTA MAUDE (p), A.B. Wellesley 1895.....New York City
English

WELLINGTON, ELIZABETH ELLIOTT (p), A.B. Vassar 1901.....New York City
Comparative Literature

WESTCOTT, ELLA BARKER (p).....New York City
Psychology

WETHERILL, FRANCIS MACOMB (p), A.B. Pennsylvania 1906.....Philadelphia, Pa.
Sociology

WHARTON, WILLIAM PARKER (p), A.B. 1902.....New York City
English

WHITAKER, WILLIAM ASBURY,.....Winston-Salem, N. C.
A.M. 1905, Ph.B. N. Carolina 1904
Chemistry, Metallurgy

WHITE, FREDERICK C. (p), A.B. Alfred 1895, A.M. 1902.....New York City
History

WHITESIDE, DONALD GRANT (p),.....New York City
B.S. C. C. N. Y. 1897, A.M. N. Y. Univ. 1901
Germanic

WHITFORD, EDWARD EVERETT (p), A.B. Colgate 1886, A.M. 1890....New York City
Mathematics

WHITMAN, WALTER GEORGE (p), A.B. Tufts 1898.....Norway, Me.
Chemistry

WHITNEY, DAVID DAY (p), A.B. Wesleyan 1904.....East Brookfield, Vt.
Zoölogy

WICKER, CYRUS FRENCH (p), A.B. Yale 1905.....New York City
International Law

WICKHAM, JOSEPH FRANCIS, A.B. Holy Cross 1904.....South Lee, Mass.
English, History

WILCOX, ETHEL DODGE (p), A.B. 1903, A.M. 1905.....Yonkers, N. Y.
Sociology, Economics

WILDER, GEORGE FAY (p), A.B. St. Lawrence 1897.....New York City
Mathematics

WILKINS, LAWRENCE AUGUSTUS, Ph. B. Syracuse 1904.....New York City
Romance, English

WILKINSON, EDITH (p), A.B. Wellesley 1888.....Chicago, Ill.
Zoölogy

WILKINSON, MAUD, A.B. Wellesley 1889.....Chicago, Ill.
Latin, Roman Archæology, Greek

WILLIAMSON, CHARLES CLARENCE, A.B. Western Reserve 1904.....Cleveland, Ohio
Economics, Sociology, History

WILSON, EDITH HARRIET (p), A.B. Lake Forest 1900.....New York City
English

WILSON, HUGH DEMPSTER, Jr. (p), A.B. Trinity 1901.....New York City
Philosophy, Semitics

WILSON, JANE STEDMAN, (p), A.B. Lake Forest 1888.....New York City
Greek

WILSON, JESSIE CAMPBELL (p), A.B. Cornell 1902.....New York City
English

WILSON, LYDIA MARGARET, A.B. Tennessee 1900.....Winchester, Mass.
English, History

WILSON, MARTHA MCINTYRE (p), Ph. B. Oberlin 1894.....New York City
English

WILSON, PEARL CLEVELAND (p), A.M. 1905, A.B. Vassar 1904.....New York City
Greek, Latin

WOLVEN, RAYMOND LEE.....New York City
Philosophy

WOMACK, MARY DOUGLAS (p), B.S. Adelphi 1899.....New York City
Zoölogy

WOOD, ALICE IDA (p), A.M. 1901, B.S. Wellesley 1894.....New York City
English

WOOD, ELEANOR DENNISTOUN (p), A.B. Bryn Mawr 1902.....New York City
Philosophy, Sociology

WOODMAN, IRENE LOUISE, A.B. Carleton 1898.....San Diego, Cal.
English, Education

WRIGHT, ERNEST HUNTER, A.B. 1905.....New York City
English, Comparative Literature

WRIGHT, MERLE ST. CROIX, A.B. Harvard 1881, A.M. 1884.....New York City
History

WRIGHT, MIRAH VIRGINIA, A.B. Vassar 1906.....Logan, Ohio
Romance, English

WYATT, EUPHEMIA VAN RENSSELAER.....New York City
Philosophy, Psychology, History, Economics

YOKOTA, TEIJI (p), equiv. A.B. Meiji Gakwin 1899.....Japan
Philosophy

ZEITLIN, JACOB (p), A.B. 1904, A.M. 1905.....New York City
English, Comparative Literature

The following students, matriculated under the faculties of Political Science, Philosophy, and Pure Science attended the Summer Session of 1906, but did not register for the first term of the Academic year 1906–7

ALTHAMER, WILLIAM H., A.B. Miami 1905, A.M. 1906.....Middletown, Ohio
Economics, History, Sociology

ANDREWS, GRACE, A.B. Cornell 1903.....New York City
Education

APPENZELLAR, WILLIAM RALPH, A.B. Lebanon Valley 1904.....Chambersburg, Pa.
Latin

ARTHUR, JOSEPH MELVILLE, Ph.B. Dickinson 1902.....Port Deposit, Md.
Physics

BABCOCK, ERNEST BROWN, B.S. California 1906.....Los Angeles, Cal.
Education, Physics

BARNES, NATHANIEL WARING, A.B. 1903, A.M. 1905.. ... .Newburgh, N. Y.
English

BARTLETT, ELIZA WHEELOCK, B.L. Wisconsin 1902.....Milwaukee, Wis.
Education, Mathematics

BEAUMONT, VICTOR ERNEST DE, A.B. 1901..... ....Williamstown, Mass.
Italian, Latin

BENNETT, MARTHA CROSBY, B.S. Drury 1903.....New York City
History, Physical Education

BENNETT, MARTHA CROSBY, A.B. Cornell 1902.....New York City
Education

BIDGOOD, LEE, A.B. Virginia 1905, A.M. 1906.....Charlottesville, Va.
Education, Physical Education

BLESSING, CHARLES WINNE, A.B. Union 1888.. .....Slingerlands, N. Y.
Education, German

BOARDMAN LESTER WELLS, A.B. Brown 1899, A.M. 1902.....Baltimore, Md.
Education

BRIDGMAN, ANNE TOWNSEND, B.S. 1905.....New York City
Education, German, Physical Education

BUCKINGHAM, BURDETTE ROSS, A.B. Wesleyan 1899, A.M. 1900..Westchester, N. Y.
Education

BULLOWA, JESSE GODFREY M., M.D. 1903, A.B. C. C. N. Y. 1899 .....New York City
Chemistry

BURKS, MARGIE NICKELSON, A.B. Wesleyan 1905.....Macon, Ga.
English, Mathematics

BURROUGHS, ARETUS P., B.S. Colgate 1900..... Cattaraugus, N. Y.
History, Philosophy

CALLAHAN, EUGENE BENJAMIN, B.S. Colgate 1904.....Little Falls, N. Y.
Education, Psychology

CASHMAN, JOSEPH FRANCIS, A.B. Adelphi 1905.....New York City
Education, Italian

CHAMBERS MARY DAVOREN, B.S. 1905.... ....Rockford, Ill.
Chemistry, Economics, Philosophy

CODDINGTON, JESSIE THEODOSIA, A.B. Adelphi 1905.....New York City
Education

COOK, ALBERT SAMUEL, A.B. Princeton 1895, A.M. 1906..... Baltimore, Md.
Education

COOPER, CLAYTON SEDGWICK, A.B. Brown 1894.....Montclair, N. J
Philosophy, Physical Education

COTTER, JULIA, A.B. Smith 1904..... New York City
Education, English

CRAWFORD, RICHARD MCLEOD, B.S. 1905.....Williamsburg, Va.
Drawing, Education

DAVIS, JACKSON, A.B. William and Mary 1902.....Richmond, Va.
English, German

DAY, HARRIET, A.B. 1905.....Cortland, N. Y.
English

DEAN, SARAH ELIZA, B.S. 1905.....Ferrisburg, Vt.
Chemistry

DRADDY, ROBERT EMMET, A.B. C. C. N. Y. 1902.....New York City
Education, Philosophy

FALLS, BAYARD THURMAN, A.B. Wake Forest 1902, A.M. 1903.....Shelley, N. C.
Economics, Education, Sociology

FAUST, CHARLOTTE CLEMENTINE, A.B. Cornell 1905.....New York City
German

FEARL, EDNA KATHARINE, A.B. Oberlin 1903.....Johnstown, Pa.
History

FERGUSON, AGNES BEVERIDGE, B.S. Cornell (Ia.) 1894.....Rolfe, Ia.
German

FIELDHOUSE, MARY SUMNER, A.B. George Washington 1903.....Kensington, Md.
English

FRAUNFELTER, RALPH MANASSES, Ph.B. Lafayette 1903.....Easton, Pa.
Education, Physical Education

FRITZ, HENRY EUGENE, B.S. N. Y. Univ. 1906.....North Pelham, N. Y.
Education

GARDNER, EMEYLIN ELIZABETH, A.B. Chicago 1902.....Ypsilanti, Mich.
Education

GILSON, HENRY BROCKWAY, A.B. Dartmouth 1900.....Winchester, Mass.
French, Sociology

GLAVIN, JAMES EDWARD, Ph.B. Chicago 1904.....West Albany, N. Y.
Mathematics

GRIFFIN, GERALD WILLIAM, B.S. C. C. N. Y. 1900.....New York City
Education, Philosophy

GRINNELL, HERBERT LEROY, Jr., A.B. Bowdoin 1902.....Bath, Me.
Education

GROVE, GLEN ARNOLD, A.M. 1902; A.B. Colgate 1897.....New York City
Education, English

GUYER, CAROLINE CLARKSON, A.M. Smith 1881.....Trenton, N. J.
Education

HAMMOND, ELSIE, A.M. 1905; A.B. Mt. Holyoke 1902.....Fishkill, N. Y.
Nature Study, Physiology

HECK, WILLIAM HARRY, A.B. Wake Forest 1897, A.M. 1899.....Charlottesville, Va.
Education, Philosophy

HEINTZE, RICHARD WILHELM, A.B. Concordia 1887.....Hawthorne, N. Y.
German, History

HENDRIE, WILLIAM EDWIN, A.B. Toronto 1903.....New York City
History, Sociology

HENNESSY, FRANCIS XAVIER, A.B. Manhattan 1906.....New York City
Education, Philosophy

HINES, LINNAEUX NEAL, A.B. Indiana 1894.....Hartford City, Md.
Education

HOLT, JOSEPHINE WHITE, A.B. Nashville 1893.....Bedford, Pa.
French, Psychology

HUNTINGTON, SUSAN DICKINSON, A.B. Wellesley 1900.....Norwich, Conn.
Education

HUTCHINSON, JAMES HOWARD, A.B. Colgate 1905.....East Bloomfield, N. Y.
Education

JESSUP, WALTER ALBERT, A.B. Earlham 1903.....Westfield, Ind.
Education

JOHNSTON, WILLIAM ALAN, Ph.B. Illinois Wesleyan 1904.....Newark, N. Y.
Education

KAVANAGH, MAY IRENE, A.B. Vassar 1905.....New York City
Education, English

KEAT, MAUD ZEAMER, A.B. Dickinson 1894, A.M. 1896.....Carlisle, Pa.
Education, English

KENNEDY, GRACE ANTHEA, A.B. Vassar, 1904.....Louisville, Ky.
French, German

KERR, FRANK EWER, B.S. N. Y. Univ. 1906.....Alpine, N. J.
Chemistry

KLINE, IRVIN EUGENE, PH.B. Dickinson 1901, A.M. 1902.....Blair, Pa.
Mathematics

LAMB, WILLIAM WHITFIELD, A.B. Amherst 1901, A.M. 1904.....New York City
Education, Psychology

LEE, JOSEPH BOLLING, A.M. 1906, A.B. C. C. N. Y. 1904.....Bloomfield, N. J.
Physics

LOCKE, L. LELAND, A.B. Grove City 1896, A.M. 1901.....New York City
Mathematics

MCLAUGHLIN, JOHN MILLER, B.S. Mt. Union 1900.....Pittsburgh, Pa.
Education, History, Physics

MACNARY, ALICE BECKWITH, A.B. Adelphi 1903.....New York City
Education

MERRELL, HOWARD BROWN, A.B., 1902.....Upper Montclair, N. J.
Education, English

MISCHLICH, ADOLPH, B.S. C. C. N. Y. 1879.....New York City
English

MONG, MARTHA BARBARA, A.B. Western Reserve 1900.....Massillon, Ohio
English

MORELOCK, OLIVER JAMES, A.B. Franklin and Marshall 1892.....New York City
Education, History

MURPHY, OLIVER DRISCOLL, A.B. Florida State Coll. 1898.....Bradentown, Fla.
History, English Geography

MYERS, ANNA GROVES, A.B. Wells 1903.....Shawnee, Okla.
Education, History,

NEILSON, ALLAN SAMUEL, B.L. Wisconsin 1901.....Chestertown, Md.
English

NELSON, EDWIN JUSTIN, A.B. Western Maryland 1897.....Clifton, N. J.
Education

PAYNE, WILLIAM OSCAR, A.B. Georgia 1901, A.M. 1902.....Athens, Ga.
History, Sociology

PIERSON, HARRY, A.B. Lebanon 1900.....Ridgefield Park, N. J.
Psychology

POMEROY ANNIE LOUISE, B.L. Mt. Holyoke 1896.....Springfield, Mass.
Education, History

POLTORF, JOHN L. A.B., Mt. Union 1903.....Salem, O.
Physics, Sociology

POWNALL, EDYTHE MARVIN, A.B. Vassar 1906.....New York City
Education

PRATT, SARAH MARIE, A.B. Smith 1894.....Schenectady, N. Y.
English

RAPEER, LOUIS WIN, B.S. Chicago 1904.....Minneapolis, Minn.
Education, Sociology

RASCHEN, JOHN FREDERICK LOUIS,.....Easton, Pa.
A.B. German Wallace 1898; A.M. Lafayette 1905
English, German

RICHTER, STANLEY LASKER, A.B. 1906.....New York City
English

ROEDER, EMILIA KRAMPFERT, Ph.B. Oberlin 1899.....Painesville, Ohio
German

ROGERS, WILLIAM CRUESS, A.M. Queens 1898.....New York City
Chemistry, Physics

ROUILLION, LOUIS, B.S. Cornell 1891.....New York City
Philosophy

RUSSELL, ISABELLE KATHARINE, A.B. 1906.....New York City
Sociology
SANDERS, WILLIAM JACOB, A.B. Lebanon Valley 1902.....Sunbury, Pa.
English
SAVAGE, MARY, A.B. Oberlin 1901.....Oil City, Pa.
Education
SCHUTZ, META ELIZABETH, A.B. Adelphi 1906.....New York City
Latin
SEAMAN, EMILY CROMWELL, B.S. Adelphi 1898.....New York City
Chemistry
SHANNON, EDGAR FINLEY, A.B. Central Univ. Ky. 1893.....Fayetteville, Ark.
English
SHELTON, FRANK MARION, B.S. Mt. Union 1899.....Pittsburgh, Pa.
Education
SHEPARDSON, JOHN EVERETT, A.B. Indiana 1890, A.M. 1892...Los Angeles, Cal.
Education
SHERMAN, FREDERICK DAVID, A.B. Michigan 1887; Ph.D. Leipzig 1897..New York City
Education
SHUFRO, JACOB J., B.S. C. C. N. Y. 1899.....New York City
English, Sociology
SIBLEY, FRANCES CAMPAN, A.B. Vassar 1906.....Detroit, Mich.
Education
SIMMONDS, LIONEL JULIUS, A.B. C. C. N. Y. 1903.....New York City
Education, Psychology
SINGER, WILDY VICTOR, A.B. Franklin and Marshall 1903.....West Orange, N. J
Education
SISK, BENJAMIN FRANKLIN, A.M. 1906; B.S. Univ. Texas 1905.....Austin, Tex.
English
SMITH, LESLIE BREWSTER, A.B. 1905.....Mt. Vernon, N. Y.
Mathematics, Physical Education
SMITH, SYBIL LAURA, A.B. Smith 1904.....Gardner, Mass.
Chemistry, Physics, Physiology
SPESSARD, HARRY EDGAR, A.B. Lebanon Valley 1900, A.M. 1904....Annville, Pa.
Education, Mathematics
THOMPSON, KENSINGTON LEANING, A.B. Cornell 1900.....Cattaraugus, N. Y.
Education
WARE, JOHN CHRISTIE, Ph.B. Wesleyan 1903.....Allendale, N. J.
Chemistry
WIDDOWSON, JAMES, A.B. Juniata 1903.....Dixonville, Pa.
Education
WILLIAMSON, EL DORA, A.B. Converse 1904.....Newberry, S. C.
History, Mathematics
WILSON, HARRY BRUCE, A.B. Indiana 1905.....Franklin, Ind.
Education
WIRKLER, JOHN EBENEZER, A.B. Bethel 1903; A.M. Oberlin 1904...Newton, Kan.
History
WOODARD, CLIFFORD AMBROSE, A.B. 1904.....Hartford, N. Y.
History, Sociology
WOODS, ADA, B.S. 1905; A.B. Wesleyan 1891.....Augusta, Ga.
Education, English
WRAY, GERTRUDE WALLACE, A.B. Wellesley 1891.....Birmingham, Pa.
English

FACULTY OF FINE ARTS

Schools of Architecture, Music, and Design

The Faculty

Nicholas Murray Butler, Ph.D., LL.D., Litt.D. (Oxon.). . *President of the University*
Alfred D. F. Hamlin, A.M. . . *Professor of the History of Architecture*
Frank Dempster Sherman, Ph.B. . . . . *Professor of Graphics*
James Rignall Wheeler, Ph.D. . . . . *Professor of Greek Archæology and Art, and Acting Dean*
Clarence H. Young, Ph.D. . . . . *Professor of Greek*
Charles Hubert Farnsworth *Adjunct Professor of Music in Teachers College*
Friedrich Hirth, Ph.D. . . . . *Dean Lung Professor of Chinese*
Leonard Beecher McWhood, A.B. . . . *Adjunct Professor of Music*
Maximilian K. Kress, A.M., *Adjunct Prof. of Architecture, and Secretary*
George N. Olcott, Ph.D. . . . . *Adjunct Professor of Latin*
Jefferson B. Fletcher, A.M. . . . . *Professor of Comparative Literature*
Cornelius Rübner. . . . . *Professor of Music*
Arthur Wesley Dow. . . . *Professor of Fine Arts in Teachers College*
Charles F. McKim, Litt.D. . . . . *Director of Atelier*
Thomas Hastings, Diplomé E.D.B.A. . . . . *Director of Atelier*
Frederick Dielman. . . . *President of the National Academy of Design*
Sir Caspar Purdon Clarke. *Director of the Metropolitan Museum of Art*
Edward Robinson, A.B., LL.D. . . . . *Assistant Director of the Metropolitan Museum of Art*
Edward R. Smith, A.B. . . . . *Reference Librarian, Avery Architectural Library.*

Charles A. Harriman. . . . . *Instructor in Architecture*
Charles P. Warren, A.M. . . . . *Instructor in Architecture*
John R. Pope, Ph.B. . . . . *Associate Director of Atelier*

Standing Committees

On the Program of Studies: The Acting Dean (Chairman); Professors Hamlin, McWhood, Dow and Dielman.

On Admissions: Professors Hamlin (Chairman); McWhood and Dielman.

On Scholarships: The Acting Dean (Chairman); Professors Sherman and Rübner.

General Statement

The Faculty of Fine Arts was established by vote of the Trustees on March 5, 1906. It comprises three separately organized schools, the School of Architecture, the School of Music, and the School of Design. Work in Architecture and in Music is no new thing at the University, since a department in the former subject has existed for about twenty-five years and in the latter about ten years. On the other hand, until the present year, there has been no attempt to make any systematic provision for the needs of university students, who seek opportunities in the study of painting, sculpture. and decoration, and it is by the creation of a School of Design in co-operation with the National Academy of Design that the University hopes in time to afford such opportunities. The establishment of this new school, as yet only tentative in its organization, has been made possible through an agreement entered into by the Academy and the University on January 12, 1906. In accordance with this agreement the Art Schools of the Academy become closely associated with the University. They remain, however, entirely under the direction of the Academy, which preserves the independence secured to it by its own separate corporate existence.

The authorities of the University have long felt that its work was not in sufficiently close touch with the many phases of the study of the fine arts which are to be found in New York, and it is their hope that through association with the Academy and through closer relations with the Metropolitan Museum of Art this defect may gradually be remedied. In the case of the School of Architecture such co-operation with the architects of New York has already been secured.

It is not the purpose of the University, in endeavoring to foster the study of the fine arts, itself to develop the courses it seeks to offer, in the direction of technique and practice; this side of the student's training must remain mainly in the hands of those who conduct the work of the Academy of Design; but it does hope that by the gradual establishment of instruction and study in the history of art and in æsthetic theory it may be the means not only of training those who shall be qualified to investigate the problems which the artistic development of mankind suggests, but that it may also help the professional artist to a fuller realization of the human ideals which should form the background of his endeavor. The University has the further hope that by placing a stronger emphasis on the study of the fine arts its students in other departments may be led to perceive more than has heretofore been the case the importance of this element in any scheme of liberal culture.

It is thus the purpose of the School of Design gradually to develop a series of courses in the history, theory, and principles of the art of

design, with especial reference to painting, sculpture and decoration, and these courses when supplemented by an adequate amount of technical training and studio practice will eventually lead to the degree of Bachelor of Design. The School already offers a selection of courses from those established under other Faculties of the University, and some of these, with graduate courses in the history and criticism of the fine arts in general, which, as the School grows, it is hoped may be added to the list, will count toward the higher degrees of the University. The School expects also to offer other courses of a less professional character, which will be open to all students. These will be associated with the general work of the University in liberal education, and it is intended that they shall count toward the degrees of Columbia and Barnard Colleges, and toward the degree and diploma of Teachers College.

For the present the organization of the School of Design must remain somewhat tentative in character, since neither the University nor the Academy has at its disposal adequate resources to develop a complete system of instruction. A beginning, however, as set forth below (p. 310), has been made, and the University looks forward to the possibility at no remote time of an adequate equipment for the new School.

A statement of the work offered by the Academy of Design will be found on page 310.

For details as to the advantages which the City of New York offers outside of the University and the Academy for the study of the fine arts, and as to the public lectures, exhibitions, and recitals maintained by the University in addition to the regular academic program, the separately printed *Announcement of the Faculty of Fine Arts* should be consulted. Those interested should also consult the *Announcement of the Summer Session and Extension Teaching*.

Admission

Except by special action of the Committee on Admissions, students under eighteeen are not admitted. For the general admission regulations see page 152, and for the special regulations for the course for the bachelor's degree in Architecture and for the Certificate in Architecture, see page 303; for that in Bachelor in Music and for the Certificate in Music see pages 308–309; and for the Certificate of Proficiency in Design see page 310.

To Advanced Standing

Students desiring credit for courses pursued elsewhere must file a written application with the Chairman of the Committee on Admissions on or before September 9, 1907. The general regulations

as to documents to be submitted and as to the acceptance of certificates are the same as for the Schools of Mines, Chemistry, and Engineering (see page 238).

Non-matriculated Students

The Committee on Admissions may admit students of mature age who are not candidates for a degree or certificate to such courses as they may be qualified to pursue. Such students will be permitted to matriculate at any time upon fulfilling the stated entrance requirements, or they may be excused from these requirements upon the basis of specially distinguished excellence in their work as certified by vote of the Faculty. The special qualifications deemed necessary in each school for admission as a non-matriculated student are:

In Architecture, a practical knowledge of architectural drawing of the five orders, and of shades and shadows, is required for the course in Architectural Design, and mathematics through plane trigonometry for the Mathematical and Architectural Engineering branches.

In Music, proficiency is determined by personal conference with some officer of the School.

In Design, this privilege includes students in the National Academy of Design and such other persons as have had adequate training and experience either in the history and theory or in the practice of the fine arts.

Fees

(See page 26)

Examinations

Regular examinations in each course are held at the end of each half-year. All other examinations, except examinations for admission to advanced standing, are special examinations, for which the statutory fee of $5 is charged. This fee covers, however, all examinations taken at one period or in one group. Such examinations for students debarred or deficient at the regular examinations will be held during the two weeks preceding the opening of the academic year; and for students deficient in subjects taken in the year of graduation, in the first week of May. Absence from any regular or delinquent examination for which a student is registered is regarded as a failure.

SCHOOL OF ARCHITECTURE

General Statement

The School of Architecture of Columbia University is a professinoal school for men, designed to train its graduates for the active practice

of architecture. It was founded in 1881, under the direction of Professor William R. Ware, as a department of the School of Mines of Columbia College (now the Faculty of Applied Science of Columbia University). There are two regular courses in Architecture, one leading to the degree of Bachelor of Architecture, and the other leading to a Professional Certificate in Architecture.

The equipment of the school consists of about 18,000 photographs and 800 books, chiefly the gift of Mr. F. A. Schermerhorn; a classified library of many thousands of prints and plates; a collection of manuscript drawings from the École des Beaux-Arts and other sources; about 9000 lantern-slides of architectural subjects; a collection of casts of architectural details, including a large number from ancient and modern Roman buildings, the gift of Mr. Charles F. McKim; and an architectural museum containing a collection of models, building stones, tools, and materials. The Avery Architectural Library of 18,000 volumes is the richest collection of works on architecture and allied arts in the country.

Lectures to students of architecture on scientific subjects allied to architecture are given in the Department of Physics, and the laboratories of the Schools of Engineering offer unexcelled opportunities to advanced students in architectural engineering.

The Willard collection of architectural casts and models in the Metropolitan Museum of Art is open to students every day and two evenings in the week. Buildings and building operations of great value and interest are always within reach, and visits and excursions during the second half of each year furnish specific opportunities for profiting by them.

Fellowships and Scholarships

(See page 434)

Admission

To Candidacy for the Degree of Bachelor of Science

Candidates must have completed the equivalent of two years of study in some recognized college or scientific school. Professional courses in architecture may not be counted a part of such study, the purpose of which is to supplement, not to anticipate, the professional course offered by this School. Candidates must also show a practical knowledge of the orders of architecture, of elementary projections and shades and shadows, of the elements of architectural rendering, and of freehand drawing.

To the Course for the Certificate

Candidates for the Certificate must offer at the entrance examinations (see page 152) subjects amounting to ten points, as indicated below:

	Points
Drawing	1
Elementary Mathematics	3

and six points from the following subjects:

	Points
Chemistry[1]	1
Elementary Physics [1]	1
Elementary History	2
English	3
Advanced Mathematics [1]	1
Elementary French[1]	2
Elementary German [1]	2
Elementary Latin	2
Spanish	2

In addition, candidates for admission to the course for the Certificate must give evidence of some practical knowledge, as is required of candidates for the Degree.

Students from Other Institutions

Male students of any incorporated school of art in New York City and duly accredited students from the *ateliers* of the Society of Beaux-Arts Architects of this city may be admitted to the courses in the Elements of Architecture, Projections and Shades and Shadows, Perspective, Descriptive Geometry, Theory, the History of Architecture, and the History of Ornament (Courses 1, 5, 6, 7–8, 21–22, 23–24, 25–26, 31–32, 33–34, 35–36, 51–52, 53, 54, and 55; see list upon page 44,) upon payment of the prescribed fees.

Program of Studies

For the Degree of Bachelor of Science in Architecture

The course outlined below is of indeterminate duration. Students of fair ability and thorough preparation should be able to complete it in four years. Entering students should confer with the Executive Head of the School, who will assist them in planning a definite schedule suited to their qualifications and needs. The degree is awarded when the requirements therefor have all been satisfied, though the ceremony of its public bestowal does not take place until the next ensuing Commencement.

For a short statement of the scope of the following courses see pages 38–151. A much fuller statement is contained in the *Announcement of the Faculty of Fine Arts*, to be had upon application to the Secretary of the University.

	Points
History of Architecture (A. 21–22, 23–24, 25–26)	14
History of Ornament (A. 31–32, 33–34, 35–36)	.6

[1] Students deficient in these subjects are advised to take the courses offered therein in the Summer Session of Columbia University, the announcement of which will be sent upon application to the Secretary of the University.

		POINTS
	French and German Reading (A. 41–42, 43–44)	8
	Research	2
2	Mathematics (Math. 1, 2, 3–4, 5–6)	16
	Mechanics (Mech. 21)	4
	Architectural Engineering (A. 17–18)	10
3	Specifications (A. 11–21)	4
	Building Materials (A. 13–14)	4
	Office drawings	2
4	Graphics (A. 5)	3
	Perspective (A. 6)	3
	Descriptive Geometry (A. 7)	3
	Stereotomy (A. 8)	3
5	Architectural Drawing (A. 3)	4
	Elementary Drawing (A. 71–72)	2
	Modelling, Water-colors (A. 73–74)	2
	Advanced Drawing (A. 75–76, 177–178)	7
6	Theory of Design (A. 51–52, 53, 54, 55)	5
	Elements of Architecture (A. 1)	2
	Applied Elements (A. 2)	4
	Elementary and Intermediate Design (A. 61–62, 63–64)	15
	Advanced Design (A. 161–162)	15
	Thesis (A. 164)	3
	Written Work (A. 24*a*, 26*a*, 128*a*)	3
	Summer Work (A. 72*a*, 74*a*, 76*a*)	6
		150

These points may be acquired and registered at any time and in any order desired, except that the mathematical subjects and the three grades of Design must be taken in the prescribed sequence; that A. 177–178 may not be taken until the preceding work in drawing (A. 71–72, 73–74, 75–76) has been completed. Furthermore, candidates for the degree will not be permitted to take Advanced Design until they have credits for all the points required in Sections 3 (Construction) and 4 (Graphics) and in addition 12 points in Section 1 (History and Ornament), 20 points in Section 2 (Mathematics and Engineering), and 4 points in Section 5 (Drawing), making 61 points in all.

For the Certificate in Architecture

This course is intended to qualify the holder for general practice, and for registry under the Architects' License Laws of Illinois, New Jersey, and California. This course omits the greater part of the mathematical studies and applied mechanics required of candidates for the degree, but includes simplified courses in Graphical Statics

and Elementary Engineering in their stead, and optional courses in Analytical Geometry and the Calculus, with special reference to graphical methods and their usefulness in mechanics and engineering. A larger amount of drawing and design is assigned to this course than is required in the course for the Degree.

		POINTS
1	History of Mediæval and Modern Architecture (A. 23–24, 25–26)	8
	History of Ornament (A. 31–32, 33–34, 35–36)	6
	Research	2
2	Elementary Structural Design (A. 15–16)	6
3	Specifications (A. 11–12)	4
	Building Materials (A. 13–14)	4
	Office Drawings	1
4	Graphics (A. 5)	3
	Perspective (A. 6)	3
	Descriptive Geometry (A. 7)	3
	Stereotomy (A. 8)	3
5	Architectural Drawing (A. 3)	4
	Elementary Drawing (A. 71–72)	2
	Water-colors (A. 73)	1
	Modelling (A. 74)	1
	Pen Drawing and Drawing from Cast (A. 75–76)	3
	Advanced Drawing (antique and from life) (A. 177–178)	4
6	Theory of Design (A. 51–52, 53, 54, 55)	5
	Elements of Architecture (A. 1)	2
	Applied Elements (A. 2)	4
	Elementary and Intermediate Design (A. 61–62, 63–64)	15
	Advanced Design (A. 161–162)	18
	Thesis (A. 164)	3
	Written Work (A. 24*a*, 26*a*, 128*a*)	3
	Summer Work (A. 72*a*)	4

And in addition, to be selected from the following:

Ancient Architectural History (A. 21–22)	6
French and German Reading (A. 41–42, 43–44)	
Graphical Analysis (A. 9–10)	
Design (additional)	
Drawing (additional)	

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These points may be acquired and registered at any time and in any order desired, except that the three grades of Design must be taken in the prescribed sequence; that the student must have six points in Section 1, all the points required in Sections 2 and 3, and

nine points in Section 4, before he can be registered for Advanced Design; and that A. 177-178 may not be taken until the preceding work in Drawing has been completed.

Architectural Engineering

The requirements above specified for the degree and for the certificate are designed to qualify the graduate for general practice. With the increasing importance of engineering training in certain classes of architectural work, it becomes necessary to provide adequate courses of instruction for those who desire to specialize in this direction. Such students substitute for the Advanced Drawing and Advanced Design of the course for the degree its equivalent in engineering design, construction, and specifications, by means of special problems and attendance upon certain courses in the Department of Civil Engineering of the Schools of Applied Science.

This course is open only to students who have completed the architectural engineering of course 17-18. A thesis is required as the course in Design, consisting of a large problem of architectural engineering worked out in full, with accompanying dissertation.

Graduate Courses

Candidates for the degrees of Master of Arts and Doctor of Philosophy may pursue in the School of Architecture the more advanced studies of the course, which are accepted as major and minor subjects under the regulations prescribed by the University Council for these degrees. See page 176. The courses in Advanced Design, Engineering and Practice (Architecture 113-114, 117-118 and 161-162) as well as the graduate courses (213-214, 217-218, 227-228 and 261-262) are accepted as major and minor subjects for these degrees.

Holders of the Certificate in Architecture are admitted to the graduate course in Design with accompanying Research (A. 281-282, 227-228) but not to the graduate course in Construction (217-218) except upon passing examinations upon all the prerequisite mathematics and mechanics. They may not be candidates for the higher degrees.

Graduates of this school, and of other schools of architecture of like standing, who have had not less than one year of resident study in Columbia University, may pursue their studies in Advanced Design and Research in foreign schools of architecture, as candidates for the higher degrees in Columbia University, upon programs issued by this School.

SCHOOL OF MUSIC

General Statement

The Department of Music was established May 4, 1896, by means

of the Robert Center Fund for Instruction in Music, an endowment presented to the University by the mother of the late Robert Center. On March 5, 1906, the School of Music was established.

The aim of the instruction is to treat music historically and æsthetically, as an element of liberal culture; to teach it scientifically and technically, with a view to training musicians who shall be competent to teach and to compose; to afford practical training of the ear by means of rhythmic, melodic, and harmonic dictation; and to provide, practical training in choral and orchestral music. The several courses have reference to the needs of the undergraduate, to those of the university student wishing to specialize in music, and to those of non-matriculated students of music—that is, students who are candidates neither for a degree, nor for a Certificate of Proficiency. Performances of orchestral and choral music by the various organizations under the direction of the School of Music are provided, from time to time, for the members and friends of the University. There is, also, an annual concert of original compositions by students in the school. In addition, many public lectures, recitals, and concerts of various kinds are held.

Equipment

A collection of music and of text-books is placed at the disposal of students in the School. It includes the complete works of Palestrina, Handel, Bach, Mozart, Beethoven, Schubert, Berlioz, Mendelssohn, Schumann, and Wagner, many orchestral and opera scores, the pianoforte classics, chamber music, and vocal music, besides theoretical works. The private library of the late Anton Seidl, recently presented to the University, has been placed in the rooms of the School of Music.

The School has a collection of orchestral instruments, for the use of students taking part in the University orchestra. An Aeolian Orchestrelle is employed for purposes of study and illustration. There is, also, a large pipe organ in the University chapel.

Bachelor of Music

The requirements for admission to the course leading to the degree of Bachelor of Music are: (1) The completion of courses of study in Columbia College or Barnard College, amounting to a credit of sixty-two points (substantially, two years' undergraduate study), or of their equivalent elsewhere; (2) the ability to play, on the pianoforte, the Two-Part Inventions of Bach.

The candidate is expected to pursue courses of study aggregating, at least, seventy-five points, as follows:

a. (prescribed) All the courses in composition and criticism offered

by the School of Music (a short statement of the courses in Music will be found on page 115; a much fuller statement is contained in the separately printed *Announcement of the Faculty of Fine Arts*); a year's course in each of the following: language, literature, history, and the fine arts other than Music.

b. (elective) Any other course offered in the University for which the student has the necessary prerequisite, especially a course in Musical Performance, Æsthetics, Physics, or Psychology.

The candidate is further required to produce a satisfactory original composition for orchestra or with orchestral accompaniment, and to submit an essay on a musical subject.

Certificate of Proficiency in Music

The requirements for admission to the course leading to a Certificate of Proficiency in Music are:

(1) The passing of examinations (see p. 152) amounting to a credit of ten points, from among the following subjects, English and one other language being required:

	POINTS
English [1]	3
Elementary Greek	3
Elementary Latin [2]	2
Elementary French	2
Elementary German	2
Elementary Italian	2
Musical Appreciation	1
Harmony	1
Musical Performance [3]	2
Elementary Mathematics	3
Elementary History	2
Elementary Physics	1
Advanced Mathematics	1
Advanced History	1

(2) The ability to play, on the pianoforte, the Two-Part Inventions of Bach. The candidate is expected to fulfil the same requirements as are demanded in the course leading to the degree of Bachelor of Music (see above), except that only fifty points of credit are required. The same requirement is made with regard to the original composition and the thesis as in the case of a candidate for the degree of Bachelor of Music.

[1] For detailed information concerning these requirements, consult the University Bulletin of Entrance Examinations.

[2] To secure the credit of two points, a candidate must offer Latin *a*, and either Latin *c* or Latin *d*.

[3] Students desiring to offer this subject, should communicate with the School of Music, to arrange for the necessary examinations.

SCHOOL OF DESIGN

The School of Design cannot yet offer a sufficiently complete series of courses to warrant the granting of the degree of Bachelor of Design which in due time it is the intention of the University to award to properly qualified students. A Certificate in Design, however, is provided for, beginning with the present year, 1906–7. Candidates for this certificate and non-matriculated students who may wish to qualify for the degree, when it shall have been established, may later count these courses toward the degree.

Admission

Every candidate for admission to the courses for the Certificate of Proficiency in Design (Painting, Sculpture, or Decoration) is required:

(1) To pass entrance examinations (see page 152) counting 10 points, as indicated below. The candidate *must* offer:

	POINTS
Drawing	1
French or German or Italian	2
English	3
and four points from the following subjects:	
Elementary Mathematics	3
Advanced Mathematics [1]	1
Elementary Physics [1]	1
Chemistry [1]	1
Elementary History	2
Elementary Greek	3
or Elementary Latin [2]	2

(2) To give evidence of a practical knowledge of the elementary technique of work in India-ink and water-colors, and of proficiency in sketching from the object and from simple plaster casts of ornament or of the figure, in pencil or charcoal.

The certification of the National Academy of Design as to proficiency in drawing is accepted for both the formal and the informal requirements in that subject.

Students of the National Academy of Design are admitted, upon recommendation of the President of the Academy, as non-matriculated students in the School of Fine Arts, to take such courses as they may select subject to the approval of the President of the Academy and the Dean of the Faculty of Fine Arts.

[1] Students found deficient in these subjects on examination are advised to take the courses offered therein in the Summer Session of Columbia University, the Announcement of which will be sent upon application to the Secretary of the University.

[2] To secure the credit of two points, a candidate must offer Latin *a* (see Bulletin of Entrance Examinations), and either Latin *c* or Latin *d*.

Curriculum for the Certificate of Proficiency

This course is intended to give the student, first, a broad outlook upon the whole field of the fine arts, by an outline study of the theory, criticism, and history of the arts in general; secondly, a more detailed acquaintance with the history and principles of the particular branch of the fine arts in which the student elects to specialize; and thirdly, a sufficient amount and variety of technical training to qualify him to pursue with success the particular branch of art which he has elected, besides giving him some experience and understanding of the technical processes and methods of expression of other forms of art. In view of the great variety of purpose which may exist among students of equal earnestness and intelligence, the curriculum has been made somewhat flexible; so that, within defined limits, the relative proportion of lecture work and research, on the one hand, and of studio practice on the other, may be considerably varied. It should be possible to complete the work for the certificate in about three years, of which the first two years would be in large measure devoted to the more general studies of the curriculum, and the last year to special study and discipline in the particular field of painting, of sculpture, or of decoration, as the student may elect. One hundred and fifteen points are required for the certificate. Of these, 45 are assigned to prescribed courses, from 10 to 25 to elective courses, and the balance (45 to 60 points) to work in the studio.

These 115 points may be acquired in any order and combination which conforms to the necessary sequence of preliminary and advanced subjects, each student registering for any number of courses he may desire to take and for which he is qualified by previous training, and paying for each course the required fee up to a maximum total of $150 annually.

Program of Studies

The following courses aggregating 45 points are prescribed for all candidates for the Certificate: Courses whose numbers are prefixed with the initials N. A. are given by the National Academy of Design; T. C. indicates that the course is given in Teachers College.

Detailed information as to these courses will be found in the separately printed *Announcement of the Faculty of Fine Arts.* The attention of students is also directed to the other courses in subjects allied to the Fine Arts offered by the Departments of Philosophy, History, English, Latin, Greek, Germanic, Romance, Indo-Iranian and Semitic Languages. (See pages 38 *et. seq.* of this volume.)

	POINTS
Principles and Problems of Æsthetics (Philosophy 142)	3
General Course, Theory of Fine Arts (N. A. 1)	1

	POINTS
Art Appreciation and History (T. C., Fine Arts 3-4)	4
Principles of Composition, a. (T. C., Fine Arts 5-6)	10
Principles of Composition, b (T. C., Fine Arts 11-12)	2
Advanced Composition, Painting (T. C., Fine Arts 9-10). (Or its equivalent in the National Academy of Design)	9
History of Art, Collateral Reading and Research (Fine Arts 101-102)	8
Pictorial Perspective, (N. A. 5-6)	2
Artistic Anatomy, (N. A. 7-8)	2
	45

From ten (10) to twenty (20) points additional to the above are to be acquired in elective courses selected by the student, subject to the approval of the Dean and of the instructors giving the several courses. Courses counting for not over 6 of these points may be selected in literature, language, philosophy, science, or history, under the various faculties of the University, subject to the regulations as to prerequisites for each course. The remaining points (or the entire number if preferred) in elective subjects are to be taken from the following list. *Starred* courses are prescribed for students taking the course in Decoration, and are given in the School of Architecture.

Elective Courses

	POINTS
*Elements of Architecture, (1.)	2
Ancient Architectural History (21-22)	6
Mediæval Architectural, History, (23-24)	4
Modern Architectural History (25-26)	4
*Ancient Ornament (31-32)	2
Mediæval Ornament (33-34)	2
*Modern Ornament (35-36)	2
Theory of Planning and Composition (51-52)	2
*Theory of Decorative Arts (53)	1
*Theory of Color (54)	1
*Graphics (Projections, Shades and Shadows), (5)	3
*Architectural Perspective (6)	3
Archæology in French (41-42)	4
General Musical Course (Music 1-2)	2
Musical Art (T. C. Music 7-8)	2
Chinese Civilization (Chinese 11)	2
Greek Vases and Painting, (Greek 151-152)	4
European Literature of the Full Renaissance (Comparative Literature 211-212)	6
European Literature, Later Renaissance (Comparative Literature 221-222)	4
Elements of Greek Archæology (Greek 51-52)	4

Studio Work

The candidate for the Certificate is further required to do work in the studio by which he may obtain a credit of 45 to 60 points. This requirement is based upon the supposition that the student can meet it by an average, for each point, of one hour of studio work per week through the academic year. This work is additional to any studio work accompanying prescribed courses. The total number of points to be obtained in studio work depends upon the amount of elective work taken, the aggregate requirement for both classes of work being in all cases 70 points, which added to the 45 points in prescribed subjects make the total of 115 points required for the Certificate.

The required studio work may be pursued in any one or more of the three studios connected with the University; that of the National Academy of Design at the corner of Amsterdam Avenue and 109th Street, that of Teachers College, and that of the School of Architecture, according as one may find in one or another the particular training he most requires.

	POINTS
Elementary Draftsmanship	4
(Proficiency in the elementary technique of the pencil, charcoal, and brush, in black-and-white and color.)	
Elementary Oil Painting or Modelling	2– 4
(Drawing and painting from still-life are included under the above two headings.)	
Drawing from the antique	6– 8
Drawing from nature and from life	8–10
(Including landscape, animals, and figures.)	
Advanced painting from landscape and from life Advanced modelling from life Advanced decorative work from nature	10–14
Advanced composition (additional to prescribed course on page 312)	5– 8
(Separately in Painting, Sculpture, and Decoration.)	
Original Design, Advanced	10–12
(Original work on specified programs, in Painting, Sculpture and Decoration, with final thesis-exercise accompanied by dissertation.)	
	45–60

Points not to exceed 4 in the aggregate may be granted for work done in summer schools of Art, or during the summer upon a schedule previously approved by Professor Dielman.

In general, except in the School of Architecture, the lecture courses

and research work are assigned to the afternoon hours, the morning hours being left free for studio work. The collateral reading and research, consisting of studies upon assigned topics in the history of art, with accompanying sketches and written reports, may be pursued in the Avery Architectural Library, the departmental libraries of the Department of Fine Arts of Teachers College and of the Schoo of Architecture, and in the library and collections of the Metropolitan Museum of Art.

REGISTER OF STUDENT

Faculty of Fine Arts

School of Architecture

Adams, Carlton Wier.....San Antonio, Texas
Adams, Frederick Eliot.....New York City
Adler, Rudolf Sartorius.....Atlanta, Ga.
Albertson, Wilbur Nicholas.....New York City
Barber, Herbert Coles.....New York City
Berg, Armand V.....Savannah, Ga.
Bermingham, Edward John.....New York City
Bernstein, Charles David.....New York City
Bissell, Cyrus Y.....Jersey City, N. J.
Blakeman, Frederick T., Princeton, A.B., 1906.....New York City
Bloch, Albert.....New York City
Brown, Floyd de Latour.....New York City
Bullard, Roger Harrington.....New York City
Carleton, Francis Dudley.....Yonkers, N. Y.
Cassebeer, Walter Henry.....Rochester, N. Y.
Chapman, Frederick Burnham, Yale, A.B. 1905.....Auburn, N. Y.
Davis, Ellery Lothrup.....Lincoln, Neb.
Dean, Henry Charles.....New York City
Diemer, George Henry.....Union, N. J.
Dudley, Ralph.....Columbus, Ga.
Eberhard, Victor Emmanuel.....Norfolk, Va.
Feldman, Leo Maurice.....Cincinnati, Ohio
Flanagan, Albert E.....East Orange, N. J.
Fonts, Arturo, Jr.....New York City
Francis, William Carson.....Buffalo, N. Y.
Frees, Harry John.....New York City
Fudji, Gilbert James (equiv. A.B.) Sorbonne, Univ. Paris, 1903.....Paris, France
Greenberg, Abraham Benton.....New York City
Hauser, George Davison.....New York City
Hawley, Graham.....Tarrytown, N. Y.
Haxby, Robert Van Loan.....Poughkeepsie, N. Y.
Hentz, Harry Fitzgerald.....Atlanta, Ga.
Hickenlooper, George.....St. Louis, Mo.
Hoag, Leon Huested.....New York City
Hopper, James Woods.....Leaksville, N. C.
Johnson, Folger.....Upper Montclair, N. J.
Kahle, Herman.....New York City
Kahn, Ely Jacques, A.B., 1903.....New York City
Knight, John Jacob.....Aron, N. Y.
Mackby, Julius, C. C. N. Y., B.S. 1900.....New York City
Markwitz, Abraham, Cooper Union, B.S. 1906.....New York City
Mayer, MacDonald.....New York City
Morales, Leonardo.....Havana, Cuba
Morewood, Francis Edmund.....Englewood, N. J.
Morris, John Babcock, Jr.....Saugatuck, Conn.

MILLER, JOHN.....New York City
OBERLANDER, HENRY C.....New York City
PALLISTER, GEORGE ARTHUR.....New Yotk City
PITT, GERARD.....New Rochelle, N. Y.
POND, LESTER MUNROE.....Hartford, Conn.
RICHARDS, EDWIN S., JR.....Newark, N. J.
ROBINSON, BEVERLEY.....New York City
SAFIER, ISADOR EDWARD.....Newark, N. J.
SCHMIDT, EDWARD GUNTHER.....New York City
SCHMIDT, JULIUS W.....New York City
SCHNEIDER, GUSTAV BILLING.....New York City
SEIDENBERG, RODERICK.....New York City
STORK, EDWARD JOHN.....Jersey City, N. J.
SUGARMAN, MORRIS HENRY.....New York City
TAYLOR, EDWARD CRAY.....Los Angeles, Cal.
TROTT, JOHN CLINTON.....New York City
VOLZ, HANS CARL.....Port Chetser, N. Y.
WEBER, RUDOLF HERMAN.....New York City
WEIHER, HENRY A.....New York City
YOKOYAMA, YASOSHICHIRO.....Tokyo, Japan

Candidates for a degree.....65

NON-MATRICULATED STUDENTS

BALLANTYNE, HENRY FRANCIS.....New York City
BUSTAMANTE, MANUEL, Ph.B. Coll. Nag. de San Gabriel, 1899.....Quito, Ecuador
COCKEY, CHARLES ROGERS.....New York City
COWIE, ROBERT.....St. Paul, Minn.
GREEN, EDWARD LYLE.....London, Canada
HALL, BERNICE KINGSTON.....New York City
HALLEY, WILLIAM MARQUETTE.....New York City
HART, RUSSEL EASON, Ph.B. Furman 1905.....Greenville, S. C.
HUBER, JOSEPH CONSTANTINE, JR.....Toledo, Ohio
IVES, HARRY ANTHON.....New York City
JOHNSON, W. TEMPLETON.....New York City
KEELER, FREDERICK STERLING, Ph. B. 1891.....New York City
KYSOR, CHARLES HENRY.....Los Angeles, Cal.
MEAD, CHARLES BARRY.....Hartford, Conn.
NISBET, CARL.....Macon, Ga.
REID, JOSEPH NEAL.....Macon, Ga.
SEABURY, HARRY MUMFORD.....Springfield, Mass.
WEAVER, RUDOLPH.....Johnstown, Pa.
ZINK, ANTHONY.....New York City

Non-matriculated.....19

CANDIDATES FOR THE HIGHER DEGREES

ERSKINE, HAROLD PERRY, A.B. Williams, 1902.....New York City
LEVY, EMILIO, Tulane, B.E. 1902, A.M. 1905.....Matamoros, Mexico

NOT IN ACTUAL RESIDENCE

LUDLOW, THOMAS WILLIAM, B.S. 1903, A.M. 1906.....Paris, France
SMITH, LUCIAN EASTER, B.S. 1901.....Paris, France

Total..... 4

The following students attended the Summer Session of 1906, but did not register for the academic year 1906-07:

DIETERLEN, CHARLES THEODORE EMILE..... New York City
HALL, EDWARD CLINTON.....Plainfield, N. J.

Total.....2

SUMMARY

Students candidates for a degree or certificate	65
Non-matriculated students	19
Candidates for higher degrees	6
	90

School of Music

CANDIDATES FOR THE HIGHER DEGREES (A.M. and PH.D.)

DUNN, JAMES PHILIP, A.B. C. C. N. Y. 1903 ..... New York City
GILBERT, CHARLES AUGUSTUS ..... Madison, N. J.
A.B. Ohio Wesleyan 1900, A.M. 1903, B.D. Drew Theological Seminary 1903.
ROBINSON, FRANKLIN WHITMAN, B.S. C. C. N. Y. 1895 ..... New York City

BACHELOR OF MUSIC

FUCHS, HENRY HEWITT, A.B. C. C. N. Y. 1906 ..... New York City
GILBERT, GEORGE FREDERICK ..... Madison, N. J.
MURRAY, LILY SYLVESTER, A.B. 1905 ..... Montclair, N. J.

NON-MATRICULATED STUDENTS

CAHEN, LUCILE EUGENIA ..... New York City
CLARK, AMBROSE R. ..... New York City
DRAPER, ERMINIA JOSEPHINE ..... New York City
FRIEDLAND, ANATOL ABRAHAM ..... St. Petersburg, Russia
HAWKINS, WARNER MASON ..... New York City
HENDRICKS, ALMA ..... New York City
HOROWITZ, PAUL ..... New York City
HYDE, MARIE GIBSON ..... New York City
KIMBALL, ELIZABETH ..... Canton, N. Y.
KLINGER, ELSA AMELIA ..... New York City
KRAFT, WILLIAM J. ..... Mamaroneck, N. Y.
LANE, SOPHIA CLARICE ..... New York City
MATHEWS, LAURA ELIZABETH, A.B. 1905 ..... East Orange, N. J.
MEHLER, ELSA SAUTER ..... New York City
THOMPSON, WILLIAM HENRY ..... New York City
ULANOV, NATHAN ..... New York City
VOGEL, HARRY ..... New York City
VORHAUS, JOHANNA V. (Mrs. L. J.) ..... New York City
WARD, FRANK E. ..... Port Chester, N.Y.
WOLFSON, ANNIE SALVENE W. (Mrs. T) ..... New York City
UCKER, HENRY EDWARD ..... New York City

SUMMARY

Candidates for the Higher Degrees	3
Bachelor of Music	3
Non-matriculated Students	21
Total	27

BARNARD COLLEGE

TRUSTEES

Silas B. Brownell, LL.D., *Chairman*
Mrs. A. A. Anderson, *Vice-Chairman*
Frederick S. Wait, *Clerk*
George A. Plimpton, *Treasurer*

Silas B. Brownell, LL.D.
Mrs. Joseph H. Choate
Mrs. Alfred Meyer
George A. Plimpton
Mrs. James Talcott
Mrs. Henry Fairfield Osborn
Mrs. A. A. Anderson
Frederick S. Wait
Edward W. Sheldon
Rev. William M. Grosvenor, D.D.
Seth Low, LL.D.
Franklin B. Lord
Frederic B. Jennings
Mrs. Henry N. Munn
Nicholas Murray Butler, LL.D., Litt.D. (Oxon.)
Albert G. Milbank
Mrs. Frank G. Bryson
Mrs. Francis P. Kinnicutt
Miss Clara B. Spence
Charles Stewart Smith
Howard Townsend
John G. Milburn
Florence Colgate
Janetta Alexander McCook

Standing Committees

1906

Executive Committee: Dr. Brownell (*Chairman*), Mrs. Anderson (*Vice-Chairman*), Mr. Wait (*Clerk*), Dr. Butler, Dr. Low, Mr. Milbank, Mrs. Osborn, Mr. Plimpton, Mr. Sheldon.

On Finance: Mr. Milbank (*Chairman*), Mr. Lord, and Mr. Smith.

On Buildings and Grounds: Mrs. Osborn (*Chairman*), Mrs. Anderson, Mrs. Munn, and The President (ex-officio).

On Education: Mr. Jennings (*Chairman*), Miss Spence, Mr. Townsend, and The President (ex-officio).

OFFICERS OF INSTRUCTION

Officers of the Faculty

Laura Drake Gill, A.M.....*Dean and ex-officio Member of the University Council*
William Tenney Brewster, A.M.....*Secretary*
James Harvey Robinson, Ph.D.....*Elected Delegate to the University Council (term expires 1909)*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt. D. (Oxon.), *President*,
LAURA DRAKE GILL, A.M., *Dean*

EDWIN R. A. SELIGMAN, Ph.D., LL.D.
HERBERT L. OSGOOD, Ph.D.
EDWARD DELAVAN PERRY, Ph.D., LL.D.
[1] GEORGE RICE CARPENTER, A.B.
FRANKLIN HENRY GIDDINGS, Ph.D., LL.D.
JOHN B. CLARK, Ph.D., LL.D.
JAMES RIGNALL WHEELER, Ph.D.
FRANK N. COLE, Ph.D.
JAMES HARVEY ROBINSON, Ph.D.
CALVIN THOMAS, LL.D.
CARLO LEONARDO SPERANZA, A.M., B. ès L.
WILLIAM P. TRENT, M.A., LL.D.
HERBERT GARDINER LORD, A.M.
NELSON GLENN MCCREA, Ph.D.
LIVINGSTON FARRAND, A.M., M.D.
[1] BENJAMIN D. WOODWARD, Ph.D.
HENRY E. CRAMPTON, Ph.D.
WILLIAM TENNEY BREWSTER, A.M.
CHARLES KNAPP, Ph.D.
HENRY L. MOORE, Ph.D.
HERBERT MAULE RICHARDS, Sc.D.
MARGARET E. MALTBY, Ph.D.
LOUIS AUGUSTE LOISEAUX, B.S.
JAMES T. SHOTWELL, Ph.D.
GEORGE WILLIS BOTSFORD, Ph.D.
EDWARD KASNER, Ph.D.

Standing Committees of the Faculty

COMMITTEE ON THE PROGRAM OF STUDIES: The DEAN (*Chairman*), Professors ROBINSON, TRENT, KNAPP, and MALTBY.

COMMITTEE ON ADMISSIONS: Professors COLE (*Chairman*), BREWSTER, and RICHARDS.

COMMITTEE ON SCHOLARSHIPS: The DEAN (*Chairman*), Professor ROBINSON, and Dr. HIRST.

COMMITTEE ON HONORS: Professors LORD (*Chairman*), KNAPP, and KASNER.

COMMITTEE ON STUDENT ORGANIZATIONS: Professors CRAMPTON (*Chairman*), MOORE, and Dr. REIMER.

Other Officers of Instruction

MARIE REIMER, Ph.D.
HENRY BARGY, A.M.
GERTRUDE M. HIRST, Ph.D.
WILLIAM P. MONTAGUE, Ph.D.
WILHELM ALFRED BRAUN, Ph.D.
GEORGE PHILIP KRAPP, Ph.D.
JAMES HOWARD MCGREGOR, Ph.D.
TRACY ELLIOT HAZEN, Ph.D.
[1] VIRGINIA C. GILDERSLEEVE, A.M.
PAULINE HAMILTON DEDERER, A.B.
WILLIAM B. PARKER, A.B.
GRACE A. HUBBARD, A.M.
ALGERNON DE V. TASSIN, A.M.
VIVIAN A. C. HENMON, Ph.D.
HARWOOD HOADLEY, A.B.
ALLAN F. WESTCOTT, A.M.
DINO BIGONGIARI, A.B.
JOHN LAWRENCE GERIG, Ph.D.
ALEXANDER OTTO BECHERT, A.M.

[1] Absent on leave.

Henri F. Muller, B. ès L.
Eleanor Keller, A.B.
Annina Periam, Ph.D.
William H. Bussey, Ph.D.
Ida H. Ogilvie, Ph.D.
Margaret A. Reed, A.B.
Walter B. Pitkin, A.B.
T. Leslie Shear, Ph.D.
Clark Wissler, Ph.D.
Charles A. Beard, S.B.
Albert Conser Whitaker, Ph.D.
Samuel R. Williams, Ph.D.
Marion E. Latham, A.M.
Grace Potter Reynolds, A.M.
Alice Haskell, A.B.
Maude Alice Huttmann, A.M.
Elizabeth Ilsley Thompson, A.B.
Warner Brown, A.M.
Grace Langford, S.B.

For other officers of the University who may give instruction to students of Barnard College, consult the several departmental statements.

Officers of Administration

N. W. Liggett, A.B., *Bursar*
Anna E. H. Meyer, A.B., *Secretary*
Agnes Opdyke, A.B., *Acting Registrar*

Frederick A. Goetze, M.Sc., *Superintendent of Buildings and Grounds*
James H. Canfield, LL.D., Litt. D. (Oxon.) ..... *Librarian*
Bertha L. Rockwell..... *Custodian of the Ella Weed Reading-Room*

GENERAL STATEMENT

In 1883 the Trustees of Columbia College offered degrees to women who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called *The Collegiate Course for Women*, proved unsatisfactory to both parties. Therefore Barnard College was organized in 1889 to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institutions of good standing. Its instructors were members of the University staff. Examinations for entrance, those given in course, and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at the University under the Faculties of Philosophy, Political Science and Pure Science, the laboratory work in science being done at Barnard College.

However, Barnard's numerical growth made inappropriate the informal arrangement for instruction which was the natural method at the outset, and it became necessary to recognize formally the

status which had gradually come into existence. Accordingly, an agreement was entered into in January, 1900, by which Barnard was included in the University system. Barnard is now an independent college for women with a corporation and a faculty of its own vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University and also of the relations between Barnard College and Teachers College is given in the *résumé* of the agreement above mentioned to be found in the current edition of the *Announcement of Barnard College*. This may be obtained without charge upon application to the Secretary of Barnard College.

ADMISSION

The Committee on Admission has charge of everything relating to this subject.

The general regulations for admission are the same as those for Columbia College, see page 185.

Every candidate for admission to Barnard College, either to the freshman class or to a special course, is required at the entrance examinations to offer subjects amounting to fifteen (15) points as indicated below. A point here represents a course of five periods weekly throughout an academic year of the preparatory school.

The candidate *must* offer

	COUNTING IN POINTS
English	3
Elementary Mathematics	3
and in case of a candidate for the A.B. degree:	
Elementary Latin	4
or in case of a candidate for the B.S. degree:	
Science	2
Advanced or Intermediate subjects	2

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering the corresponding elementary subject as well:

	COUNTING IN POINTS
Elementary Greek	3
Elementary History	2
Drawing	1
Music	1
Intermediate French	1
Intermediate German	1
[1] Advanced English	1
[1] Advanced Greek	1
[1] Advanced History	1
[1] Advanced Latin	1
Advanced Mathematics	1
[1] Advanced Physics	1

[1] Candidates will be examined in this subject only in January and September.

The candidate may offer not more than 4 points in all from the three subjects following:

	COUNTING IN POINTS
Elementary French	2
Elementary German	2
Spanish	2

The candidate may offer not more than 2 points in all from the five subjects following:

	COUNTING IN POINTS
Botany	1
Chemistry	1
Elementary Physics	1
Physiography	1
[1] Zoölogy	1

For full definitions of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 152–175.

Certificates in Lieu of Entrance Examinations

See the "Acceptance of Certificates in Columbia College," page 186.

Entrance Conditions and Probation

A student may be admitted to the freshman class on probation when the total number of points received by her in the entrance examinations amounts to eleven (11) out of the total required fifteen (15) points; but this rule is subject to the proviso that the four (4) points of deficiency do not include the whole of any prescribed subject. A total failure in any one of these subjects will be regarded as disqualifying a candidate for admission.

A student admitted conditionally or by certificate will be held under probation during the first half-year of residence. For a detailed statement regarding the conditions of probation, see "On Probation in Columbia College," page 187.

To Advanced Standing

See the "Requirements for Admission to Advanced Standing in Columbia College," page 186.

In addition, the credits granted in any subject to a student admitted with advanced standing may be withdrawn or diminished in amount, if, in pursuing such subject after admission to Barnard College, the student prove that the granting of the credits was wholly or in part unwarranted by her previous work.

No student may receive a degree who has resided less than two full half-years at Barnard College.

No applicant will be allowed to enter the senior class as a candidate or a degree after October 15 in any year.

[1] Candidates will be examined in this subject only in January and September.

As Special Students

Candidates for admission as special students must make application in writing at least one week before the first day of the entrance examinations in September or in January. Proper blanks for this purpose may be obtained from the Registrar.

Special students in Barnard College are of two classes: non-matriculated and matriculated.

Non-matriculated special students must be women of mature age who wish to pursue chiefly advanced courses of special study. They may be admitted at the discretion of the Committee on Admissions without passing formal entrance examinations. They must furnish proof that they have at some time pursued the studies included in the matriculation examinations and must satisfy the requirements of the department that they desire to enter.

No courses taken by non-matriculated special students can at any time be counted by them toward a degree.

Matriculated special students are women who wish, without taking a degree, to make a serious study of some subject or group of subjects. They must pass the regular examinations for admission to the freshman class and have full credit for fifteen (15) points of the entrance requirements. (See p. 321.) They may, therefore, in event of a change of plan, be credited with such of their courses as may coincide with the courses leading to a degree.

Information regarding the regulations governing the election of studies, amount of work, attendance, examinations, etc., of special students is contained in the *Barnard College Announcement* which can be obtained without charge from the Secretary of Barnard College.

MATRICULATION, REGISTRATION, FEES

Detailed information regarding matriculation, registration, and fees, will be found in the current *Announcement of Barnard College,* which can be obtained without charge on application to the Secretary of Barnard College.

DORMITORY

Detailed information about Brooks Hall, the new hall of residence which will be opened for occupancy in September, 1907, can be obtained from the Secretary of Barnard College, New York City, N. Y.

THE PROGRAM OF STUDIES

Upon completion of a curriculum arranged on one of the plans to be described below, the student is recommended by the Faculty of Barnard College for the degree of Bachelor of Arts or Bachelor of Science.

I THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

Unless the equivalents are offered for admission, the following courses are prescribed:

English A	6	points
English B	6	"
French A and German A	12	"
History A	6	"
Latin A or B	6	"
Mathematics A	6	"
Philosophy A	6	"
Physical Education A and B	4	"
Economics A	3	"
Chemistry 5–6 or Physics 11–12	6	"
Botany, Chemistry, Geology, Physics, Psychology (Experimental), *or* Zoölogy: two half-year courses in addition to the foregoing requirements in Physics or Chemistry	6	"
Major subject of	18	"
Free electives to complete the total of	124	"

II THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

Unless the equivalents are offered for admission, the following courses are prescribed:

English A	6	points
English B	6	"
French A and German A	12	"
History A	6	"
Mathematics A	6	"
Philosophy A	6	"
Physical Education A and B	4	"
Grouped work in Astronomy, Botany, Chemistry, Geography, Geology, Mineralogy, Physics, Experimental Psychology, and Zoölogy, amounting to a total of at least	70	"
(Of these 70 points at least 28 points shall be taken in a major subject, at least 12 points in an allied minor subject, and at least 12 points in a diverse minor.)		

III OPTIONS IN THE PROFESSIONAL SCHOOLS FOR CANDIDATES FOR A BARNARD COLLEGE DEGREE

Students who have completed in Barnard College 94 points of work, including all prescribed courses, and who have attained a high grade

of scholarship, may plan their work in such a way as to earn a professional diploma from Teachers College together with their academic degree from Barnard College. With the permission of the Dean of Barnard College and the Dean of Teachers College, they may transfer to Teachers College at the end of their junior year and become candidates also for the bachelor's diploma in teaching. Students so transferred will be recommended for their prospective degrees by the Faculty of Barnard College, on its receipt of a statement from the Faculty of Teachers College of their satisfactory completion of the requirements for a bachelor's diploma.

Details regarding the principles of the program of studies and particulars as to the option in education, additional credit for high standing, examinations in course, advancement, etc, are contained in the *Barnard College Announcement* which can be obtained of the Secretary of Barnard College.

COLLEGIATE INSTRUCTION OF CANDIDATES FOR A PROFESSIONAL DEGREE IN TEACHERS COLLEGE

Students may also, with the permission of the Dean of Barnard College and the Dean of Teachers College, transfer to Teachers College after the satisfactory completion of 60 points of work in Barnard College. The satisfactory completion in Teachers College of 60 points in addition will earn from Teachers College both the bachelor's diploma in teaching and the degree of Bachelor of Science.

Scholarships, Prizes, and Honors

(See page 435)

REGISTER OF STUDENTS

NOTE.—Unless otherwise indicated, students register from New York City.

SENIORS—CLASS OF 1907

ADAMS, IRENE BENNETT
Mount Kisco, N. Y.
ALTHAUS, AMALIE LOUISE
ANTHONY, ANNA GENEVIEVE
BAILEY, MARGARET HART
BATTELL, HANNAH MANSFIELD
BENNETT, CORA ELIZABETH
Tinton Falls, N. J.
BERNKOPF, BEATRICE MOLLIE
BOOTE, MABEL LOUISE
Yonkers, N. Y.
BRAND, JOSEPHINE
BROWN, EDNA FLORENCE
BUSHONG, ALICE MARGARET
CANNON, GERTUDE LOUISE
CARTER, HELEN
COLBY, SABRA CARRINGTON
COLE, EMMA CORNELIA
Berkley, Cal.
COLE, EVANGELINE
Sea Cliff, N. Y.
DEACON, HELEN GRAZIELLA
DISBROW, JEAN
ERNST, AGNES ELIZABETH
FREED, JULIA HUELAT
FURTH, FLORENCE BELLE
GARDINER, CARA LESLIE
GOODHART, HELEN
GORDON, FLORENCE
Guttenberg, N. J.
GRANT, LUCILE
Hobart, N. Y.
HARDWICK, LOLLIE BELLE
Cleveland, Tenn.
HEIMANN, EDITH
HELLIN, LILIAN
HENDERSON, HAZEL
ISRAEL, MARGURITE BAER
JACOBS, EVA
JELLENIK, IRMA ETELKA
JOHNSON, LUCETTA PITNEY
Morristown, N. J.
KEENEY, SARAH
KLEIN, BLANCHE MARGARET
LAY, SARA EMMA
LIPE, MARY VICTORIA
Nashville, Tenn.
LORD, MARY ELIZABETH
Allston, Mass.
LOWENTHAL, AMALIA
MCKEE, ELSA DUBOIS
Kingston, N. Y.
MCLANE, FANNIE MOULTON
MCLAUGHLIN, PIERINA
ODENCRANTZ, LOUISE CHRISTINE
OESTERLEIN, CHARLOTTE ROSE
POINTS, JULIET STUART
Jersey City, N. J.
PRATT, JOSEPHINE SOUTHWORTH
New Rochelle, N. Y.
RAPP, KATHERINE LOUISE
RAY, IDA CHARLOTTE
REANEY, ELLA JANE
REARDON, MARY CATHERINE RUTH
Rye, N. Y.
ROSEMON, ETHEL MAY
SCHACHTEL, ELSIE
SHONINGER, HELEN
SMITH, CLARA ELIZABETH
TRACY, HELEN ABBIE
TRUE, DOROTHY
TURNBULL, GRACE CLAPPERTON
East Orange, N. J.
VALENTINE, MURIEL
WALKER, MARY BARBOUR
Washington, D.C.
WARDELL, LILLIAN MAY
WILKES, EDNA MAJOR
WOODMAN, SOPHIE PARSONS
YALE, DAISY IRENE
Brewster, N. Y.
YOUNG, ANNE WHITTEMORE

Seniors—Class of 1907..... 64

JUNIORS—CLASS OF 1908

ALEXANDER, IRMA
ALLEN, ELIZABETH
ARMSTRONG, CLAIRETTE PAPIN
ARMSTRONG, LAURA JULIA

Armstrong, Leonora Louise
Upper Montclair, N. J.
Ash, Alma
Askowith, Dora
Chelsea, Mass.
Auerbach, Eva Fanny
Axt, May Charlotte
Back, Elizabeth Mitchell
Yonkers, N. Y.
Beam, Laura Ella
Elizabeth, N. J.
Beekman, Rose
Beers, Bessie Andrews
Bernays, Judith
Boardman, Martha Tracy
Bloomfield, N. J.
Brundin, Thorborg Marie
Brush, Anna Cooley
Budds, Mary Hornor
Burrows, Edith Maie
Tarrytown, N. Y.
Carroll, Anne
Warwick, N. Y.
Casey, Mary Agnes
Casseres, Aminta Gomes
Barranquilla, Colombia, S. A.
Coveney, Regina
Craig, Eleanor Woodworth
Englewood, N. J.
Crowell, Marion Barton
Curran, Mary Eleanor
Englewood, N. J.
Daniels, Mary Esther
Davies, Hazel Lucile
Scranton, Pa.
Dwyer, Eleanor Agnes
Eastman, Marjorie McClintock
Torresdale, Pa.
Eaton, Clara Cecilia
Eltzner, Dorothea
Emerson, Alicia Jane
Milford, Pa.
Everett, Ethel Grace
Ferns, Edith
Mount Vernon, N. Y.
Fink, Elda Lillian
Westfield, N. J.
Flack, Cornelia Andrews
New Rochelle, N. Y.
Fox, Elizabeth Freeman
Glen, Helen Renwick
Elizabeth, N. J.
Goedkoop, Annie Elizabeth
Paterson, N. J.
Golde, Margaret Doris
Gray, Helen Young
Hamil, Martha Eleanor
Troy, Ala.
Harvitt, Helen Josephine
Heim, Lillian
Helmrich, Elsie Winifred
New Rochelle, N. Y.
Henderson, Nathalie
Hershfield, Alice Leah
Hoermann, Martha
Hoboken, N. J.
Houston, Jessie Ferguson
Orange, N. J.
Hufeland, Eleanor
Mount Vernon, N. Y.
Hufeland, Marie Augusta
Mount Vernon, N. Y.
Hunsdon, Eleanor Cary
New Rochelle, N. Y.
Jeidell, Helmina (Mrs. E J. Jeidell)
Montclair, N. J.
Joachimson, Alma
Kerner, Anna Mildred
Chester, N. Y.
Klein, Maude Irene
Kohn, Irene Constance
Loeb, Helen Babette
Macdonald, Evelyn Blunt
Macdonald, Mabel Perkins
MacEwan, Emily Lamont
Newark, N. J.
Manley, Annie Laurie
Marren, Maud Louise
Asbury Park, N. J.
Marshall, Agnes Margaret
Marshall, Mary Osborne
Mastin, Florence Josephine
Piermont, N. Y.
Maxon, Mary
Mount Vernon, N. Y.
Messenger, Henriette Searing
Dover, N. J.
Miller, Mary Agnes
Morehouse, Esther
Bridgeport, Conn.
Muller, Ada Hermine
Newland, Marguerite Corlies
O'Gorman, Ellen
Peck, Freda Marjorie
Peterson, Mabel Louise
Prahl, Josephine Anna
Quinby, Elsie May
White Plains, N. Y.
Quinby, Mary Gladys
Orange, N. J.
Quinn, May Katherine
Bayonne, N. J.
Rehmann, Elsa
Newark, N. J.
Requa, Adelaide
Richardson, Edith Cushing

Robinson, Elizabeth Devereux
Roe, Olive Lea
Rosanoff, Lillian
Rothenberg, Annie
Meridian, Miss.
Sammet, Florence
Savitz, Linda Belle
Westfield, N. J.
Sillcox, Cecilia Minna
Smith, Katherine Augusta
Hartland, N. Y.
Smith, Maude Catherine
Bloomfield, N. J.
Stearn, Mabel Frieda
Stein, Gertrude Rose
Steinberg, Pauline
Elizabeth, N. J.
Strauss, Marguerite Julie
Tattershall, Louise May
White Haven, Pa.
Tibbits, Mary Edla
Traitel, Louise
Tredwell, Elizabeth Alden Seabury
Turnbull, Annie Grace
Tuckahoe, N. Y.
Veith, Helen Ida
Wells, Gertrude
East Orange, N. J.
Wilson, Marian
Newark, N. J.
Wolff, Florence Martha
Woolsey, Catherine Buckingham
Englewood, N. J.
Yates, Margaret Hall
Young, Jennie Marie
Zangler, Elizabeth Cathryn
Croton-on-Hudson, N. Y.

Juniors—Class of 1908..... 109

SOPHOMORES—CLASS OF 1909

Abraham, Mathilde
Aiguier, Helen Louise
Newark, N. J.
Alexander, Lee Frances
Arkenburgh, Gladys Stokley
Armstrong, Maud Elizabeth
Aron, Beatrice Marguerite
Englewood, N. J.
Barr, May Dorothy
Barrows, Winifred
Greenwich, Conn.
vom Baur, Eva Elise
Black, Florence Atwood
Boas, Helene Marie
Bugbee, Emma
Methuen, Mass.
Calman, Dorothy
Carroll, Antoinette Lartique
Mount Vernon, N. Y.
Cassebeer, Edna Marie
Mount Vernon, N. Y.
Cochran, Jessie Isabelle
Dann, Margie Ethel
Bloomfield, N. J.
Demarest, Mary Celia
Nanuet, N. Y.
Dempsey, Josephine Agnes V.
Ernst, Florence Cornelia
Falk, Hannah Carolyn
Frink, Margaret Huddleston
Gay, Eleanor
Godley, Mary Frances
Goldberg, Julia
Goodwin, Ethel Lizzie
Grant, Alice Catherine
Yonkers, N. Y.
Hardy, Ruth Gillette
Hastings, Elinor Isabel
Hays, Mabel Ray
Hebberd, Emma Antoinette
Hellin, Esther Belle
Hochheimer, Rita
Hodsdon, Ethel Wentworth
Jersey City, N. J.
Holm, Anna Sophie
Perth Amboy, N. J.
Hubbard, Jennie Fields Warren
Bloomfield, N. J.
Ingalls, Frances May
Ivimey, Ethel Marguerite
Jaggard, Alice Granger
Kenney, Margaret Frances
Plainfield, N. J.
Kerr, Lois
Englewood, N. J.
Kloster, Vera Eleanor
Kupfer, Vere Belle
Lee, Olga
Levy, Jessie
Levy, Rose Adelaide
Levy, Selina
Logan, Una
Yonkers Park, N. Y.
Lucas, Evelyn Charles
McLean, Myra
Detroit, Mich.
McPherson, Helen
Miller, Eunice Hotaling

Newbold, Helen
O'Brien, Josephine Gertrude
Oppenheim, Ella
Phillips, Edna
Phillips, Helen Sarah
Rich, Nellie Edna
Mount Vernon, N. Y.
Rich, Sophie Julia
Richardson, Adelaide Agnes
Rilke, Olga Emma
Riordon, Antoinette
Rome, Sara
Rosenfelder, Fannie
Louisville, Ky.
Scales, Edna Rebecca
Jersey City, N. J.
Scheuer, Helen Gertrude
Mount Vernon, N. Y.
Schlesinger, Mildred Deshon
Yonkers, N. Y.
Shale, Byrde Belle
Silbernagel, Lillian
Smith, Dean Florence
Savannah, Ga.
Smith, Elsie
Mount Vernon, N. Y.
Smithers, Herlinda Genevieve
Stark, May Belle
East Orange, N. J.
Stettiner, Lillie
Swenson, Mary Elizabeth
Talpey, Edith May
Thompson, Lucy Irene
Turnbull, Laura Shearer
Tuckahoe, N. Y.
Underwood, Anna
Belleville, N. J.
Ver Planck, Georgia Anna
White Plains, N. Y.
Wells, Hilda Elizabeth
Keyport, N. J.
Westaway, Lois Bessie
Weston, Ethel Genevieve
Wilcock, Lavina May
Wolf, Florence
Wood, Hilda
Woodhull, Mildred
Wyeth, Florence
Wylie, Jennie Dwight

Sophomores—Class of 1909..... 89

FRESHMEN—CLASS OF 1910

Candidates for the A.B. Degree

Acker, Lotta Belle
Anderson, Lillian Sophie
Bachner, Eva Bessie
Bachner, Marion
Bailey, Mary Witter
Barofsky, Tessie
Bohan, Lena
Plainfield, N. J.
Bonfils, Gladys Alden
Borland, Madeline
Boyd, Marion Alice
Bryant, Edith Hazel
Burger, Frances
New Bedford, Mass.
Childs, Ruth
Cowen, Elfrida Dora
Crossman, Helen Louise
Dean, Hetty Anna
Little Silver, N. J.
Debouy, Cecile Catherine
Druding, Marguerite Dorothy Cecelia
Eddy, Elise Savoye
Bayonne, N. J.
Eggleston, Margery Katherine
Egleston, Lilian Hillyer
Elizabeth, N. J.
Elder, Mabel Frances
Emerson, Vera Belle
Tarrytown, N. Y.
English, Elizabeth
Goschen, N. Y.
Fancher, Edna Margaret
Firebaugh, Bertha Harriet
Fleming, Carrie Orr
Flint, Marie Louise
Fox, Harriet Ruth
Frame, Rachel Moore
Mount Vernon, N. Y.
Franke, Gretchen Malvina
Bound Brook, N. J.
Fransioli, Antoinette
Frugone, Marie Augusta Rose
Gibson, Marian Lathrop
Gray, Elizabeth Naomi
Palisade, N. J.
Gruenstein, Fannie
Haithwaite, Charlotte
Hall, Theodora
Mount Vernon, N. Y.
Harder, Elfrida
Harton, Amy Maud
Hedley, Hilda Warren
Heller, Edna
Henderson, Grace

Herrman, May Therèse
Hill, Antoinette Dyett
Netherwood, N. J.
Holzman, Bessie
Hopewell, Florence Isabel
Hopewell, Stella Louise
Hoyt, Helen Sarah
Nutley, N. J.
Hunter, Gertrude Laura
Plainfield, N. J.
Ivimey, Muriel Rhoda
Jackson, Violetta
Jacques, Mary Voorhees
Elizabeth, N. J.
Kaufmann, Jeanette Hellman
King, Marie Bernadette
Kirchwey, Dorothy Browning
Lawrence, Ethel Elizabeth
Leerburger, Berenice
Lobel, Sadie Mina
Loehrsen, Adelaide
McCann, Catherine Vincentia
McCann, Mabel Dorothy
McGrath, Josephine
Livingston Manor, N. Y.
MacMurray Christella Frances
Jersey City, N. J.
Macy, Madeleine Whitlock
Maison, Ellen Narr
Rutherford, N. J.
Mandel, Lena
Martin, Eleanor Marion
Perth Amboy, N. J.
Michels, Edith Katharina
Monteser, Marion Julia
Moses, Rose
Nammack, Mary
Nitchie, Elizabeth
O'Donnell, Agnes Teresa
O'Donnell, Margaret Mary Alacoque
Palliser, Mabel Bird
Palmer, Edna Adeline
Plaut, Elsie
Rawcliffe, Elizabeth
Read, Florence Wallace
Reeder, Grace Amelia
Hastings-on-Hudson, N. Y.
Reilly, Dorothy Cecilia
Renton, Margaret
Rose, Florence Estelle
Hackensack, N. J.
Roth, Anna
Dolgeville, N. Y.
Savitz, Helen Elizabeth
Westfield, N. J.
Schweikart, Elsie
Seguine, Edith Christine
Shaffer, Wilhelmina
Fort Washington, Pa.
Shaw, Agnes Gardner
Rockland Lake, N. Y.
Shaw, Ethel Lord
Silbernagel, Amy Leah
Silverman, Sulamith
Slawter, Rose Derrickson
Mount Vernon, N. Y.
Smithers, Adelaide Ellen
Spalding, Leoné Florence
New Rochelle, N. Y.
Stetler, Mary Edith
West Nyack, N. Y.
Stryker, Laura MacElwain
White Plains, N. Y.
Thompson, Olive
Thorne, Nathalie
Van Anda, Julia Blanche
Wadelton, Neda Ludmilla
Bronxville, N. Y.
Wagner, Julia Anna
Weinstein, Marion
Waterbury, Conn.
West, Julia Ray
Wiesner, Alma
Mamaroneck, N. Y.
Wise, Helene B.

Candidates for the B.S. Degree

Leo, Juliette
Buffalo, N. Y.
Schwarte, Johanna Julia
Saratoga Springs, N. Y.

Candidates for transfer at the end of two years to the professional schools of the University

Hanley, Kathleen Veronia
Penrose, Maud Elizabeth
Yonkers, N. Y.
Schulman, Edna Adelina
Jersey City, N. J.
Woodhull, Hazel

Freshmen—Class of 1910.....113

SPECIAL STUDENTS

MATRICULATED

CLOSSON, LILIAN WADSWORTH
Orange, N. J.
CORNELIUS, LAURA M.
Seymour, Wisc.
CORNISH, CHARLOTTE HARRISON
Gillette, N. J.
COWEN, MABEL IRENE
FRANK, EDNA EMILIE
HARRISON, MARJORIE EMMONS
Tazewell, Va.
JACKSON (Mrs.), BESS HAZELTON
Ann Arbor, Mich.
JOSEPHI, EDITH
LEE, EUGENIA CONVERSE
Stafford Springs, Conn.
LYMAN, GRACE GREENLEAF
East Hampton, Mass.
MCKEE, EVA OLA
Atlanta, Ga.
OWENS, VIVIAN BRENT
Winston, N. C.
SEELY, CAROLINE EUSTIS
STOWELL, RUTH KATE
Binghamton, N. Y.
TIFFANY, JULIA DE FOREST
TIFFANY, LOUISE COMFORT
WADSWORTH, MARY MATILDA
Council Bluffs, Ia.
WILLIS, ELSIE
Lakeville, Mass.
WISE, FLORENCE MORGENTHAU (Mrs. J. H. WISE)

Matriculated Special Students.....19

NON-MATRICULATED

CAMPBELL, MARY REBECCA
HOLT, LINDA MAIRS (Mrs. L. E. Holt)
KOHLER, KATE P. MACDONA (Mrs. K. P. M. Kohler)
OFFICER, KATHERINE
Franklin, Pa.
STEWART, AGNES C. (Mrs. A. C. Stewart)
THOMPSON, EDITH SNYDOR
Atlanta, Ga.

Non-Matriculated Special Students.....6

SUMMARY

Seniors—Class of 1907		64
Juniors—Class of 1908		109
Sophomores—Class of 1909		89
Freshmen—Class of 1910:		
Candidates for the A.B. degree	107	
Candidates for the B.S. degree	2	
Students in the Collegiate Course	4	113
		375
Special Students:		
Matriculated	19	
Non-matriculated	6	25
		400
University students		155
Teachers College students		31
Total		586

TEACHERS COLLEGE

TRUSTEES

V. Everit Macy, *Chairman*
Newbold Morris, *Secretary*
Miss Grace H. Dodge, *Treasurer*

Spencer Trask
William F. Bridge
Peter B. Olney
B. Talbot B. Hyde
Joseph Milbank
Seth Low, LL.D.
James Speyer
Archer M. Huntington, A.M.
Mrs. Frederick F. Thompson
James E. Russell, LL.D.
Nicholas Murray Butler, LL.D.
Litt.D. (Oxon.)
Robert C. Ogden, LL.D.
Walter H. Page, LL.D.
Howard Van Sinderen
Frank R. Chambers

Officers of the Faculty

James Earl Russell, Ph.D., LL.D.... *Dean and ex-officio Member of the University Council*
Clyde Furst, A.M.....*Secretary*
Gonzalez Lodge, LL.D.....*Elected Delegate to the University Council*

The Faculty

Nicholas Murray Butler, Ph.D., LL.D., Litt.D. (Oxon.)..*President*
John Francis Woodhull, Ph.D.....*Professor of Physical Science*
Frederick Remsen Hutton, E.M., Ph.D., Sc.D.....*Professor of Mechanical Engineering*
J. McKeen Cattell, Ph.D.....*Professor of Psychology*
Adolphe Cohn, LL.B., A.M.....*Professor of French*
Franklin Thomas Baker, A.M.....*Professor of English*
Virgil Prettyman, A.M., Pd.D.....*Principal of the Horace Mann High School*
Richard Elwood Dodge, A.M.....*Professor of Geography*
Charles Earl Biklé, A.M.....*Adjunct Professor of Mathematics*
James Earl Russell, Ph.D., LL.D...*Barnard Professor of Education*
Helen Kinne.....*Professor of Domestic Science*
Mary Schenck Woolman.....*Professor of Domestic Art*
Frank Morton McMurry, Ph.D...*Professor of Elementary Education*
Charles Russell Richards, B.S.....*Professor of Manual Training*
Paul Monroe, Ph.D.....*Professor of the History of Education*

Samuel Train Dutton, A.M.....*Professor of School Administration*
Gonzalez Lodge, Ph.D., LL.D.....*Professor of Latin and Greek*
David Eugene Smith, Ph.D., LL.D.....*Professor of Mathematics*
Edward Lee Thorndike, Ph.D.....*Professor of Genetic Psychology*
Charles Hubert Farnsworth.....*Adjunct Professor of Music*
Thomas Denison Wood, M.D.....*Professor of Physical Education*
Frederick J. E. Woodbridge, A.M., LL.D....*Johnsonian Professor of Philosophy*
Julius Sachs, Ph.D.....*Professor of Secondary Education*
Clyde Furst, A.M.....*Secretary of the Faculty*
Elijah William Bagster-Collins, A.M.....*Adjunct Professor of German*
Frederick Henry Sykes, Ph.D.....*Director of Extension Teaching*
Maurice Alpheus Bigelow, Ph.D.....*Adjunct Professor of Biology*
Henry Carr Pearson, A.B.....*Principal of the Horace Mann Elementary School*
George L. Meylan, M.D.....*Adjunct Professor of Physical Education*
Herman T. Vulté, Ph.D.....*Adjunct Professor of Domestic Science*
John Angus MacVannel, Ph.D.....*Professor of the Philosophy of Education*
Arthur Wesley Dow.....*Professor of Fine Arts*
John Dewey, Ph.D., LL.D.....*Professor of Philosophy*
Henry Clapp Sherman, Ph.D.....*Adjunct Professor of Household Chemistry*
Henry Johnson, A.M.....*Professor of History*
Mary Adelaide Nutting.....*Professor of Domestic Administration*
David Samuel Sneeden, A.M.....*Adjunct Professor of Educational Administration*

Other Officers of Instruction

Charles Prentice Benns, M.E.....*Instructor in Machine Work*
Charles Conrad Sleffel.....*Instructor in Forging*
Charles William Weick, B.S.....*Instructor in Wood-Working*
Caroline Eleanor Mehan.....*Instructor in Music*
Maud March.....*Instructor in Physical Education*
Mary Beals Vail.....*Instructor in Domestic Science*
William H. Noyes, A.M..... *Instructor in Manual Training*
Naomi Norsworthy, Ph.D.....*Instructor in Educational Psychology*
Mary Backus Hyde.....*Instructor in Manual Training*
William McCastline, M.D.....*Instructor in Physical Education*
Caroline Crawford.....*Instructor in Physical Education*
Patty Smith Hill.....*Instructor in Kindergarten Education*
Kate McMahon.....*Principal of Kindergarten*
Clara Barbara Kirchwey.....*Instructor in Geography*
Grace Cornell.....*Instructor in Fine Arts*
May Belle Van Arsdale, B.S.....*Instructor in Physical Science*

MARSHAL FRY.....*Instructor in Fine Arts*
EDGAR FAUVER, A.B.....*Instructor in Physical Education*
GEORGE DRAYTON STRAYER, Ph.D.,*Instructor in Elementary Education*
WILLIAM SKARSTROM, M.D.....*Instructor in Physical Education*
ELIZABETH SAGE.....*Instructor in Domestic Art*
ANNA M. COOLEY, B.S.....*Instructor in Domestic Art*
GRACE FULMER.....*Instructor in Kindergarten Education*
KATE GORDON, Ph.D.....*Instructor in Educational Psychology*
JEAN BROADHURST, B.S.....*Instructor in Biology*
HARRIET WILDE.....*Instructor in Physical Education*
CHARLES F. MARPLE.....*Instructor in Fine Arts*
LAMONT WARNER .....*Instructor in Household Art*
ANNA LOWELL ALLINE.....*Lecturer in Hospital Economics*
AZUBAH JULIA LATHAM, A.B.....*Lecturer in Voice Culture*
LOUISE CHRISTINE SUTHERLAND.....*Tutor in Kindergarten*
FRANEES ELBERTINE MCRAE, B.S.....*Tutor in Physical Science*
MARGARET MAUD ZERBE.....*Tutor in Music*
WYLLYSTINE GOODSELL, B.S.....*Tutor in the History of Education*
ELIZA BENTON.....*Tutor in Domestic Science*
EDWARD J. THATCHER, B.S.....*Tutor in Manual Training*
DORA BEATRICE BROWN.....*Tutor in Physical Education*
JEANNETTE ROWLAND SEIBERT.....*Tutor in Physical Education*
CLARA WHEELER.....*Tutor in Primary Methods*
ALETTA VAN WYCK SCHENCK.....*Assistant in Domestic Art*
MATILDA GARRETSON REA.....*Assistant in Domestic Art*
CLIFFORD UPTON, A.B.....*Assistant in Mathematics*
MARY THEODORA WHITLEY.....*Assistant in Educational Psychology*
ANNA PAMELA BROOKS.....*Assistant in Fine Arts*
ROMIETT STEVENS.....*Assistant in Secondary Education*
MARY DAVIS SWARTZ, B.L.....*Assistant in Domestic Science*
CAROLINE STACKPOLE.....*Assistant in Biology*
WILLIAM HENRY BOYNTON.....*Assistant in Household Chemistry*
GRACE MARIE DASCHBACH.....*Assistant in Music*
MARY BULL HANCKEL.....*Assistant in Fine Arts*

Lecturers

RICHARD MORSE HODGE, D.D.....*Lecturer in Biblical Literature*
SUSAN E. BLOW..... *Lecturer in Kindergarten Education*
ELLEN HENRIETTA RICHARDS, A.M.....*Lecturer in Domestic Science*
MARION B. B. LANGZETTEL.....*Lecturer in Kindergarten Education*
GEORGE PHILIP KRAPP, Ph.D.....*Lecturer in English*
ANNA BARROWS.....*Lecturer in Domestic Science*
MARI RUEF HOFER..... *Lecturer in Music*

Officers of Administration

FREDERICK A. GOETZE, M.Sc.,
Superintendent of Buildings and Grounds
LUCETTA DANIELL,
Directress
JAMES H. CANFIELD, LL.D., Litt.D. (Oxon.),
Librarian of the University
ELIZABETH G. BALDWIN,
Librarian in Charge of Bryson Library
RUDOLF TOMBO, Jr., Ph.D.,
Registrar of the University
THEODORA GEORGE,
Assistant Registrar, Teachers College
ISABELLE L. PRATT,
Appointment Secretary
ELIZABETH B. O'NEIL, A.M.,
Secretary of the Publication Bureau
HARRIET HAWLEY,
Secretary to the Dean
JANE BERGER,
Assistant Secretary

TEACHERS COLLEGE SCHOOLS

Officers of Administration

JAMES E. RUSSELL, Ph.D., LL.D., *Dean*
SAMUEL T. DUTTON, A.M., *Superintendent*

Horace Mann Schools

VIRGIL PRETTYMAN, Pd.D.....*Principal of High School*
HENRY CARR PEARSON, A.B.....*Principal of Elementary School*
KATE MCMAHON.....*Principal of Kindergarten*
MARION ROOT PRATT.....*Executive Secretary*
ALICE MARY STIMSON, A.B.....*School Secretary*
MARTHA MACLEAR.....*Secretary to Principal of High School*
CORA MAY GEER.....*Secretary to Principal of Elementary School*
VALERIA INEZ MERRILL.....*Custodian of Library*

Instructors and Assistants in Horace Mann Schools

ALLAN ABBOTT.....*English*
KATE STUART ANTHONY.....*Domestic Art*
WALTER WHIPPLE ARNOLD.....*Latin*
ELIJAH WILLIAM BAGSTER-COLLINS.....*German*
CHARLES MCCOY BAKER.....*Latin*
HELEN BARTLETT BAKER.....*English*

CHARLES PRENTICE BENNS ..... *Machine Work*
CHARLES EARLE BIKLÉ ..... *Mathematics*
FRANK ELBERT BROOKS ..... *French*
MRS. MARIE KARCHER BROOKS ..... *French*
HERMANN AUGUST BUSCHEK ..... *German*
ELIZA RHEES BUTLER ..... *History*
MARY EDWARDS CALHOUN ..... *English and History*
OTHO GRANDFORD CARTWRIGHT ..... *History*
MARY DENISON CHESBROUGH ..... *Physical Training*
KATHERINE MOORE COCHRAN ..... *Greek and Latin*
FORREST ALLISON DEGRAFF ..... *Mathematics*
EDGAR FAUVER ..... *Physical Training*
MME. CÉCILE FREESE ..... *French*
MARY BROWNSON GILLMORE ..... *History*
WILLIAM HELMUTH GOHDES ..... *German*
CORA O. GOLDTHWAIT ..... *English*
A. HENRY GRANT ..... *Latin*
GEORGE THOMAS HOLM ..... *Swimming*
ALEXANDER JAMES INGLIS ..... *Latin*
CLARA BARBARA KIRCHWEY ..... *Geography*
EMMA LENORE MACALARNEY ..... *English*
EGBERT EUGENE MACNARY ..... *Wood-Working*
FRANCES ELBERTINE MCRAE ..... *Chemistry and Physics*
EUGÉNIE MENUT ..... *French*
JOHN DUELE NEITZ ..... *Special Teacher for Delinquent Pupils*
LILLA ANNE NOURSE ..... *Drawing*
HARRIET GARTON ..... *Music*
EDITH EDWINA RAND ..... *Biology*
CHARLES CONRAD SLEFFEL ..... *Forging*
CLIFFORD BREWSTER UPTON ..... *Mathematics*
MAY BELLE VAN ARSDALE ..... *Chemistry and Physics*
CHARLES WILLIAM WEICK ..... *Wood-Working*
MRS. ELIZABETH MARIAN WHEELOCK ..... *Latin*
LAURA BRAINARD WHITTEMORE ..... *Domestic Science*
FELIX EUGENE WILCOX ..... *Mathematics*
ROLAND HUGH WILLIAMS ..... *Mathematics*
CLARA MABEL WHEELER ..... *First Grade*
EDITH CORNELIA BARNUM ..... *First Grade*
EVELYN BATCHELDER ..... *Second Grade*
KATHERINE WELLES ..... *Second Grade*
MARY HAMMETT LEWIS ..... *Third Grade*
MILDRED IONE BATCHELDER ..... *Third Grade*
IDA ELIZABETH ROBBINS ..... *Fourth Grade*
FLORENCE MAY MARSHALL ..... *Fourth Grade*
MARY GERTRUDE PEABODY ..... *Fifth Grade*
LUCY DICKSON ..... *Fifth Grade*

MAUD VIVIAN KEYES ..... *Fifth Grade*
ROY ADELBERT KANE ..... *Sixth Grade*
MARY FREDERIKA KIRCHWEY ..... *Sixth Grade*
MRS. SIEGRIED HANSEN UPTON ..... *Sixth Grade*
CAROLINE WOODBRIDGE HOTCHKISS ..... *Seventh Grade*
LILLIAN EMILY ROGERS ..... *Seventh Grade*
GEORGIA FARRAND BACON ..... *Seventh Grade*
ETHLEWYN MILLER ..... *Drawing*
HELEN LATHAM ..... *Music*
FANNIE J. HAEFLEIN ..... *German*
LUCY HESS WEISER ..... *Manual Training*
EDWIN FAUVER ..... *Physical Training*
FRANK CHAPLIN VAN CLEEF ..... *Physical Training*
ELIZABETH ROBB FOTHERINGHAM ..... *Physical Training*
MARION LEE WEBSTER ..... *Grammar Assistant*
MYRTA RUSSELL ..... *Primary Assistant*
MARTHA GROSVENOR DAVIS ..... *Primary Assistant*
LOUISE CHRISTINE SUTHERLAND ..... *Kindergarten Teacher*
JULIA WADE ABBOTT ..... *Kindergarten Assistant*

Speyer School

AMY SCHÜSSLER ..... *Principal*
CLARA CHENEY JAMES ..... *First Grade. Critic Teacher*
HELEN LISLE ..... *Second Grade*
LOUISE PHILLIPS GLANTON ..... *Third Grade*
MABEL CAROLINE RUSSELL ..... *Fourth Grade*
HARRIET STRONG ..... *Fifth Grade. Critic Teacher*
RACHEL EVELINA CLOSS ..... *Sixth Grade*
CLARA BURR HARRIS ..... *Seventh Grade*
MRS. IDA CATHERINE CARTER ..... *Eighth Grade. Critic Teacher*
LUELLA PALMER ..... *Kindergarten*
NELLIE RUBEL ..... *Assistant in Kindergarten*
LAURA VALENTINE ..... *Secretary and Assistant Librarian*
CELIA VAN ALSTINE ..... *Physical Education*
MARGARET MAUD ZERBE ..... *Music*
EGBERT EUGENE MACNARY ..... *Manual Training*

Neighborhood Work

BENJAMIN R. ANDREWS ..... *Director*
MRS. LULIE W. ROBBINS ..... *Assistant*

GENERAL STATEMENT

Teachers College, founded in 1888, and chartered by the Regents of the University of the State of New York in 1889, became, in 1898, a part of the educational system of Columbia University. The President

of Columbia University is President, *ex-officio*, of Teachers College, and the College is represented in the University Council by its Dean and a representative elected from its Faculty. The College meanwhile maintains its separate corporate organization, and its Board of Trustees continues to assume entire financial responsibility for its maintenance.

Teachers College is thus the professional school of Columbia University for the study of education and the training of teachers, taking academic rank with the Schools of Law, Medicine, and Applied Science. It affords opportunity for the professional training, both theoretical and practical, of teachers of both sexes for secondary, grammar, and primary schools, and kindergartens; of special teachers of such technical subjects as Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and Physical Education; and the preparation of advanced students for work as principals, supervisors, and superintendents of schools; as heads of academic or educational departments in normal and teachers' training schools, and of educational departments in colleges and universities.

The following curricula are offered by the College:

1. A two-years' Professional Curriculum, requiring for entrance the previous completion, at Teachers College or elsewhere, of two years of academic or technical training in advance of the usual requirements for college entrance, leading to the degree of Bachelor of Science in Education and the Bachelor's Diploma in teaching. The work of the curriculum presents certain fundamental courses in educational psychology and the history and principles of education, a major subject of professional and academic work, in any of the twenty-four departments of the College, and a proportion of elective courses chosen at will.

2. Graduate curricula for advanced students leading to the Master's and Doctor's Diplomas in teaching and to the degrees of Master of Art and Doctor of Philosophy with a major subject in Education. Such curricula provide work in Educational Psychology, the History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, and in research in the methods of teaching the various academic and technical subjects, supplemented by courses in other parts of the University. Courses in education may also be counted as minor subjects toward the advanced degrees, by students primarily registered in some other part of the University.

The professional curriculum is so arranged that undergraduate students of Columbia College and of Barnard College, and students who are prepared to enter the junior class of either of these colleges, may, if they desire, obtain the diploma of Teachers College at the time of receiving their degree of Bachelor of Arts.

Teachers who wish to supplement previous professional training are

entered into these curricula with advanced standing, or into courses grouped especially for their needs.

The Horace Mann School and the Speyer School, maintained by Teachers College as schools of observation and experiment, include kindergarten, elementary, and secondary classes and neighborhood work, and offer exceptional advantages for the study of the practical work of teaching and for the investigation of educational problems. These schools have now an attendance of some thirteen hundred pupils.

Buildings and Equipment

The buildings of Teachers College occupy the block directly north of the University Campus, bounded by 120th and 121st Streets, Amsterdam Avenue and Broadway.

The Main Building, containing, in addition to its equipment for administration and instruction, the Bryson Library—the educational library of the University—and the Educational Museum, is adjoined by the Milbank Memorial Building, housing a number of academic and technical departments and containing the Memorial Chapel; and by the Macy Manual Arts Building, with its exceptional equipment for the departments of Manual Training and Fine Arts. The Frederick Ferris Thompson Memorial Building for the department of Physical Education connects the Milbank Building on the west with the building of the Horace Mann School. The building of the James Speyer School is a short distance north of the College, on Lawrence Street, near Amsterdam Avenue. Whittier Hall, the residence for the women students of the University, is under the control of Teachers College.

REGISTER OF STUDENTS, 1906-07

Teachers College

Graduate Students

Candidates for the Doctor's Degree and Diploma

The following students are registered also under the Faculty of Philosophy.

ABBOTT, FREDERICK BANCROFT.....Providence, R. I.
A.M. 1904, Sc.D. College of Emporia 1905
Education, Mechanical Engineering

BALDWIN, ARTHUR POND, A.M. 1902, A.B. C. C. N. Y. 1876..... New York City
Education, Sociology

BROWN, JOHN SMITH, Jr., Ph.B. Brown 1900.....New York City
Education

BURRITT, BAILEY BARTON, A.M. 1903, A.B. Rochester 1902.....Le Roy, N. Y.
Education, Sociology

BURRUSS, JULIAN ASHBY, A.M. 1906, B.S. Va. Polytechnic Inst. 1898..Richmond, Va.
Education, Economics

CARSE, ELIZABETH, B.S. Dip. T. C. 1897, Ph.B. Cornell 1895..... .New York City
Education, Sociology

COLE, PERCIVAL RICHARD.....Sydney, Australia
A.B. Sydney 1903 and A.M. 1905, F.C.P. 1906 London
Education, Psychology

COLEMAN, HERBERT THOMAS JOHN, A.B. Toronto 1901..... Toronto, Canada
Education

COLWELL, RACHEL HARTSHORN.....Granville, Ohio
A.M. 1905, B.S. Denison 1903
Education, Chemistry, Biology

CRAVER, FORREST EUGENE.....Montclair, N. J.
A.B. Dickinson 1899 and A.M. 1901
Education, Latin

DANIELS, ERNEST DARWIN.....Brooklyn, N. Y.
A.B. Amherst 1890 and A.M. 1894, Ph.D. N .Y. U. 1905
Education, Latin

DAVIDSON, PERRY ERWIN.....New York City
A.B. Leland Stanford 1898, A.M. Harvard 1905
Education, Philosophy

DRIEHAUS, IRWIN WILLIAM, B.S. Cincinnati 1900..... Cincinnati, Ohio
Education, Physics

FITZPATRICK EDWARD AUGUSTUS, B.S., 1906.....New York City
Education, Psychology

GARDNER, FRANK ARTHUR, A.M. 1906, B.S. Worcester Polytechnic 1890.New York City
Education

*GOLDTHWAITE, NELLIE ESTHER.....Adams, Mass.
B.S. Michigan 1894, Ph.D. Chicago 1904
Education, Biology, Chemistry

HANEY, JOHN DEARLING, B.S. C. C. N. Y. 1893, M.S. N. Y. U. 1898 ..New York City
Education

HEWINS, NELLIE P., A.M. 1900, B.S. Cornell 1898.....Elmhurst, L. I.
Education

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* Not a candidate for the degree.

HIRDANSKY, SIMON, B.S. C. C. N. Y. 1899.....New York City
Education

JONES, ARTHUR JULIUS, A.B. Iowa 1893.....Minneapolis, Minn.
Education, Psychology

MCGILL, FRANKLIN CLARK, A.B. Washington and Jefferson 1897.....Claysville, Pa.
Education, Psychology

MCKNIGHT, JOSEPH ALDEN.....Moran, Kan.
B.S. Northwestern Normal 1893, A.B., Denver, 1905
Education, Psychology

MANNY, FRANK ADDISON, A.B. Michigan 1893, and A.M. 1896.....New York City
Education

MEAD, FRANK LINCOLN, A.B. Syracuse 1891 and A.M. 1894.....New York City
Education, Geology

MEYER, HENRY HERMAN..... New York City
A.B.German Wallace 1900 and A.M. 1903, B.D. Drew Theological, 1903
Education, Psychology

MILLIS, JAMES FRANKLIN, A.B. Indiana 1897 and A.M. 1900.....Indianapolis, Ind.
Education, Mathematics

PARKER, SAMUEL CHESTER, A.M. 1903, A.B. Cincinnati, 1901.....Oxford, Ohio
Education, Psychology

PATTERSON, SAMUEL WHITE, A.B. C. C. N. Y. 1903, A.M. N. Y. U. 1906..New York City
Education, English

PINKHAM, GEORGE RIPLEY, A.B. Brown 1887 and A.M. 1890.....Newark, N. J.
Education

ROBINSON, CLARENCE HALL, A.B. Northwestern 1895 and A.M. 1897.....Piqua, Ohio
Education, Zoölogy, Botany

RUSSELL, WARREN LOCKE, A.B. Harvard 1904 and A.M. 1905.....Arlington, Mass.
Education

SIMPSON, BENJAMIN ROY, A.B. McMaster 1899.....Southend, Ontario
Education, Psychology

STARK, WILLIAM EVERETT, A.B. Harvard 1895 and A.M. 1901.....Yonkers, N. Y.
Education

STONE, CLIFF WINFIELD, B.S. 1904.....Oshkosh, Wis.
Education, Psychology

SWENSON, JOHN ROBERT, A.B. Denver, 1896, A.M. Texas 1904..... Austin, Tex.
Education, Sociology

TROWBRIDGE, JANETTE, B.S. 1906.....Westhaven, Conn.
Education, Sociology

TUCKER, LOUISE EMERY, A.B. Adelphi 1900, A.M. 1901.....Brooklyn, N. Y.
Education, Philosophy

UPDEGRAFF, HARLAN, Ph.B. Cornell 1894, A.M. 1898.....Baltimore, Md.
Education, Psychology, American History

WHITON, ERNEST STAGG, A.B. 1904..... New York City

ZUMBRO, WILLIAM MICHAEL.....Madura, S. India
A.B. Western 1888, A.M. Michigan 1889, B.D. Yale 1893

Candidates for Masters Degree and Diploma

The following students are registered under the Faculty of Philosophy:

ABERNATHY, THOMAS MARIETTA.....Pulaski, Tenn.
A.B. Athens 1900 and Nashville 1904
A.M. Martin 1901, L. I. Peabody 1903
Education, Mathematics

ABRAMS, EFFIE MURRAY, A.B. 1903.....Hartford, Conn.
Education

ACKEN, EVA ADALENE, B.S. 1906.....Brooklyn, N. Y.
Education, Psychology

ADLER, ELBANOR HENRIETTE A.B. Smith 1905.....New York City
Education, Mathematics

AKIN, AUGUSTA HOPLEY, A.B. Woman's College 1906.....Pittsburgh, Pa.
Education, English

ARMSTRONG, JOHN JAMES.....Alliance, Ohio
Ph.B. Mt. Union 1906
Education, Sociology

AUSLANDER, ARMIN, B.A. C. C. N. Y. 1902.....New York City
Education, History

BALDWIN, RAE CASENA, Ph.B. Chicago 1902.....Milwaukee, Wis.
Education, Mathematics

BANCROFT, MARY LOUISE, A.B. Smith 1902.....New Hartford, Conn.
Education, History

BARNETT, ISADORE IRVING, A.B. C. C. N. Y. 1903.....New York City
Education

BARTON, NELLIE EUNICE, B.L. Knox 1898.....Red Oak, Ia.
Education, English

BATCHELOR, CHARLES BRONK, A.B. 1906..... New York City
Education, Philosophy

BAUER, JOHN P., A.B. Ohio Northern 1896.....Walla Walla, Wash.
Education, Psychology

BECK, EDITH ADELAIDE, A.B. Woman's College 1904.....Punxsutawney, Pa.
Education, Latin

BRISTOL, WINIFRED MARY, B.S. Cornell 1897.....Pictou, Ontario
Education, English

BRONNER, AUGUSTA FOX, B.S. 1906.....Brookline, Mass.
Education, Psychology

BROWN, THOMAS P., Jr., A.B. Trinity, 1906.....New York City
Education, English

BROWNE, THOMAS QUINCY, Jr., A.B. Harvard 1888.....Morristown, N. J.
Education, Physical Science

BRYAN, FREDERICK JOSEPH.....Brooklyn, N. Y.
A.B. College of St. Nicholas, Switzerland 1889
Education

BURDICK, MABEL G., A. B. Wellesley 1906.....Stapleton, L. I.
Education, Mathematics

CAMPBELL, MARY ALICE, A.B. Smith 1905 .....Jersey City, N. J.
Education, Biology

CARRIS, LOUIS HERBERT, B.L. Hobart 1898.....Newark, N. J.
Education, History

COHN, LEWIS BENJAMIN, A.B. C. C. N. Y. 1903.....New York City
Education

COLEMAN, JOHN GARTH, Ph.B. Hobart 1901.....Geneva, N. Y
Education

COLLOQUE, ORROK, A.B. Trinity 1899.....Sewaren, N. J.
Education, Philosophy

CRAIGHILL, MATTIE HOLLIDAY, A.B. Randolph–Macon 1903.....Lynchburg, Va.
Education, English

CRIPPEN, JOHN HERBERT, A.B. Stanford 1901.....San Diego, Calif.
Education, Psychology

DESAI, PINAKIPRASAD MAHADEOPRASAD, B.A. Baroda College 1901....Baroda, India
Education, Sociology

DODD, FREDERICK FERRISS, A.B. Yale 1905 .....New York City
Education, Psychology

DOLPHIN, MARY ELLEN, B.S. 1905.....New York City
Education, History

DUFFIELD, EDMUND THOMPSON, A.B. Middlebury 1904.....Whitehall, N. Y
Education, Sociology

EVES, MARGARET, B.L. Swarthmore 1900.....Millville, Pa.
Education, Mathematics

FELLOWS, CHRISTINE, A.B. Wilson 1906.....Scranton, Pa.
Education, Mathematics

FULTON, DAVID HUGH, A.B. Boston 1904.....Hackensack, N. J.
Education

GILLINGHAM, ANNA, A.B. Swarthmore 1900 and Radcliffe 1901..Atlantic City, N. J.
Education

GILTNER, EMMETT E., A.B. Indiana 1904.....Oaktown, Ind.
Education, History

GODDARD, EUNICE RATHBONE, A.B. Mt. Holyoke 1903.....New Salem, Mass.
Education, German

GOLDWASSER, DAVID, A.B. C. C. N. Y. 1903.....New York City
Education, English

GRAYBILLL, HENRY BLAIR, A. B. Washington and Lee 1902.....Lewisburg, W. Va.
Education, Sociology

GWINN, JOSEPH MARR, A.B. Missouri 1902.....Warrensburg, Mo.
Education, Psychology

HART, CLARA AVIS, B.S. Cornell 1895.....New York City
Education, Mathematics

HEYDRICK, BENJAMIN ALEXANDER.....New York City
A.B. Allegheny 1893, and Harvard 1895
Education

HILL, HELEN, A.B. Vassar 1905.....Albany, N. Y.
Education, Psychology

HOLLOWAY, JOHN HENRY, B.S. C. C. N. Y. 1898 ..... New York City
Education

JACKSON, BENNETT B., A.B. Beloit 1890.....Superior, Wis.
Education, Psychology

JACKSON, GEORGE LEROY, A.B. Michigan 1906.....Ann Arbor, Mich.
Education, Psychology

JOHNSON, ARTHUR LACEY, B.S. Lafayette 1896, M.S., 1899.....Cranford, N. J.
Education, Psychology

KALB, J. ALBERT A.B., Johns Hopkins, 1899.....Millburn, N. J.
Education

KELLER, FRANKLIN JEFFERSSON, B.S. C. C. N. Y. 1906.....New York City
Education

KING, ALICE CYNTHIA, B.S. 1906..... .....Trumansburg, N. Y.
Education, Psychology, Sociology

KINGSBURY, GEORGE H., Ph.B. Syracuse 1893, and Ph.M. 1896.....Elmhurst, L. I.
Education, Physical Science

KORBY, ABRAHAM J., B.S. N. Y. U. 1906.....Brooklyn, N. Y.
Education, English

KUHN, ADELINA, A.B. Vassar 1904.....Rockaway, N. J.
Education, Sociology

LIVINGSTON, STANLEY, A.B. Oberlin 1902.....Honolulu, Hawaii
Education, Psychology

LOCKWOOD, CORNELIUS WYGANT, B.S. Harvard 1899.....Newburgh, N. Y.
Education

LUCEY, MICHAEL HENRY, B.S. 1906 .....New York City
Education, Philosophy

MCCALL, ROSEMARY, A.B. Vassar 1898, Pd. B. Albany Normal 1899....Utica, N. Y.
Education, English

MCCARTY, STELLA, A.B. Woman's College 1892.....Trenton, N. J
Education, Psychology

MCDONALD, MILO FRANCIS, A.B. Adelphi 1906.....Brooklyn, N. Y.
Education

MARSHALL, JAMES FRANCIS, A.B. C. C. N. Y. 1903.....New York City
Education

MASSELL, ALEXANDER SASHE, A.B. C. C. N. Y. 1902.....New York City
Education

MEYER, CHARLES CLARENCE, B.L. California 1906.....Berkeley, Cal.
Education, English

MILES, ELIZABETH CAULNDER, A.B. Ursinus 1904.....Danville, Pa.
Education

MOSES, JOSEPH, A.B. Cincinnati 1894.....New York City
Education

NEWLAND, ANNA MAY, A.B. 1906.....New York City
Education, Botany

NEWMAN, CHARLES AUGUSTUS PAUL, A.B. C. C. N. Y. 1900.....Bronx, N. Y.
Education

NORTON, GEORGE WINGATE, B.S. Wesleyan 1896.....Astoria, L. I.
Education

OBER, ALICE MAY, A.B. Smith 1905.....Nashua, N. H.
Education, Domestic Science

OLIVER, JOSEPH WARREN, B.S. 1906.....New York City
Education

PAIGE, ALICE BROWNING, A.B. Boston 1893.....Lynn, Mass.
Education, Latin

PENNEY, EDITH M., B.S. Minnesota, 1898.....Minneapolis, Minn.
Education, English

REED, MILES F., B.S. Idaho 1901.....Moscow, Idaho
Education, Psychology

REJALL, ALFRED ERNST, A.B. 1906.....Brooklyn, N. Y.
Education, German

RICE, ELIZABETH ADELIA, B.S. 1906.....Worcester, Mass.
Education

ROBERTS, FREDERICK WILLIAM, A.B. Vermont 1896.....New York City
Education, Zoölogy

ROGALIN, MAURICE E., B.S. 1906.....New York City
Education

ROGERS, LESTER BURTON, B.S. Moore's Hill, 1899.....Commiskey, Ind.
Education, Physics

SHARLITT, MICHAEL, A.B. C. C. N. Y. 1903.....New York City
Education

SHIPP, ELLIS R., A.B. Utah 1901.....Salt Lake City, Utah
Education, English

SIEGEL, MORRIS ELY, B.S. C. C. N. Y. 1904.....Tottenville, S. I.
Education

SIMONTON, CATHERINE MAE, A.B. Wesleyan, 1900.....Ellsworth, Me.
Education, Latin

SMITH, LOUISE, A.B Smith 1897.....New York City
Education, Latin

SMITH, ROY LEON, A.B. Syracuse 1904.....Freeport, L. I.
Education, History

STAHL, GEORGE FREDERICK, B.S. C. C. N. Y. 1897.....New York City
Education

STANLEY, LOUISE, B.S. Peabody 1903, B.E. Chicago 1906.....Nashville, Tenn.
Education, Domestic Science, Chemistry

STOCKTON, GUY CADWALLADER, A.B. 1906.....Greeley, Col.
Education, Psychology

STOCKTON, JAMES LEROY, A.B. 1906.....Ft. Collins, Col.
Education, Sociology

STUCKEY, LORIN, A.B. Miami 1906.....Bloomingburg, Ohio
Education, History
THOMPSON, FRANK ERNEST, A.B. Stanford 1901.....San Diego, Cal.
Education, Psychology
UTTER, GRACE LILLIAN, A.B. Vassar 1902, B.S. Dip. 1904.....Brooklyn, N. Y.
Education
WERTZ, EDITH BARBARA, A.B. Wilson 1899, B.S. 1906.....Quincy, Pa.
Education
WHEATON, HENRY, A.B. Syracuse 1896.....Montclair, N. J.
Education
WIGGIN, RALPH LIBBY, A.B. Bowdoin 1898.....Rockland, Me
Education, English
WILLIAMS, SARAH H., A.B. Smith 1894.....Brookline, Mass.
Education, Mathematics
WOODWARD, SARAH JONES, A.B. Wellesley 1905.....Concord, N. H.
Education, Greek
ZABRISKIE, EDWARD, B.S. C. C. N. Y. 1893 ..... New York City
Education

Professional Students Candidates for the Bachelor's Degree and Diploma

SENIORS

AGNEW, THOMAS, Jr., (*Elementary Supervision*).....Bloomfield, N. J.
New Paltz Normal 1898.

ASHBY, HARRIET ELIZABETH (*Kindergarten*).....Bryn Athyn, Pa.
Bryn Athyn Normal 1905.

BAGNASCO, JOSEPHINE MARY (*Elementary Teaching. Mathematics*).....Astoria, L. I.

*BARNEY, MABEL IRENE (*Elementary Education*).....Springfield, Mass.
State Normal, Westfield, Mass., 1891.

BASSETT, HARRY KENDALL (*English*).....New York City
State Normal School, Oshkosh, Wis., 1899.

BATES, BESSIE MALENA (*Latin*).....Brooklyn, N. Y.
Packer Collegiate Institute 1900.

BEAL, VINORA (*English*)..... Addison, Mich
Ypsilanti Normal, Dip. 1903, B.Pd. 1906.

BENEDICT, CHARLES ALBERT (*Physical Science*).....Port Jervis, N. Y.
Oneonta Normal 1893
Illinois Wesleyan Ph.B. 1901

BERRY, HOWARD B. (*Manual Training*).....Clarence Centre, N. Y.

**BIGELOW, LUNA EVANGELINE.....Athol, Mass.
Normal, Springfield, Mass. 1893.
Teachers College 1906

BITNER, JESSIE BLANCHE (*German*).....Kerneysville, W. Va
Woman's College, Baltimore, 1888–1891,

BLAKESLEE, RALPH ELLIOTT (*English*).....Spartansburg, Pa.
Normal School, Edinboro, Pa. 1904.

*BLAUVELT, ANNA LA TOURETTE (*Manual Training*).....Nutley, N. J.
N. Y. School for Kindergarteners, 1887.

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* Diploma only. ** Degree only.

BLEND, ARVA ERASTUS (*Physical Science*).....Oneonta, N. Y.
Oneonta Normal, 1904.

BOWER, GENEVA LIMA (*Kindergarten Supervision*).....New York City
Saginaw, Mich. Training School 1904.

*BOYD, VIRGINIA TUCKER (*Kindergarten*).....New York City
Barnard 1906.

BROWN, CAROL (*Kindergarten*).....East Hampton, Ct.
University of Nashville 1897–98.

BURCKHALTER, THOMAS WILLIAM (*Physical Education*).....Mesa, Col.
Training School, Springfield, Mass. 1905.

BURNHAM, MABEL TOWNE (*Secondary English*).....Essex, Mass.
State Normal, Salem, Mass. 1898.

BUTLER, EMMA SEYMOUR (*English*).....Blairstown, N. J.

CAMBLE, LAURA A. (*Physical Education*).....Brooklyn
Potsdam Normal 1887.

CLARK, M. FLORENCE (*History*).....Yonkers, N. Y.
Oswego Normal, 1899.

CLAUSS–KIRSTEN, MARTHA (*German and French*).....New York City
Fuchmann'sche Seminar für Sprachlehrinnen, Leipzig, 1905.
Samulon'sche Seminar für Sprachlehrinnen, Berlin, 1902.

*COFFIN, MARGARET (*Domestic Science*).....Knoxville, Tenn,
A.B. University of Tennessee, 1900.

COHEN, AMELIA (*Domestic Science*) A.B. Barnard 1906.....New York City

CROCKER, NELLIE JOSEPHINE (*German*).....Tarrytown, N. Y.
N. Y. U. 1900–1905.

CUSHMAN, HANNAH MARY (*Nature Study, Physical Science*).....Reading, Pa.

CUTTING, FLORA LOUISE (*Mathematics*).....Brooklyn, N. Y.

DAVIES, MAUD (*English*).....Norwich, Conn.
Williamatic Normal 1899.
Cornell, 1902–1903.

DAVIS, MARTHA GROSVENOR (*Mathematics*).....New York City
Slippery Rock Normal 1900.

DE BOER, JOSEPHINE MARIE (*French and English*).....Yonkers, N. Y.

DECOU, NELLIE MAUDE (*English*).....Kaw City, Okl.
Kansas State Normal 1893.
Oklahoma University 1895–1897.

DIXON, EDITH DEBORAH (*Kindergarten Supervision*).....Winona, Minn
Minn, State Normal 1897.
Wheelock Kindergarten School 1899.

EARL, ANITA MILLS (*Domestic Art*).....New York City
Normal College N. Y. C. 1895 and 1896.

ELY, MARY E. (*Kindergarten Supervision*).....Chicago, Ill.
Chicago Free Kindergarten Association 1892.
Armour Institute, 1893–1899.

ENGELBREKT, ANNA C. (*Mathematics*).....New Rochelle, N. Y.

EYESTONE, LURA MARY (*Elementary Supervision*).....Normal, Ill.
Illinois State Normal University 1906.

**FALES, JANE THERESE.....Rockland, Me.
Teachers College 1906.

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*Diploma only. **Degree only.

**FALLS, MARY ELIZABETH ..... New York City
Winthrop Normal, South Carolina 1891.
Teachers College, 1906.

FLETCHER, MARY BERTHA (*Domestic Science*) ..... Franklin, Ind.
Franklin College, Ph.B 1903.

FRANKE, CLARA E. (*German*) ..... Tarrytown, N. Y.

FRIESS, LOTTIE LUCY (*German*) ..... New York City

GALLUP, JULIA ANNA (*Music*) ..... New York City
University of Minnesota 1895–1897.
Winona. Minn. Normal School 1900.

GLIDDEN, MINNIE MAUD (*Kindergarten*) ..... Brooklyn, N. Y.
Chicago Kindergarten College 1892.
Pratt Institute 1893.

GOERTNER, ROSAMOND (MRS.) (*English*) ..... New York City
Normal College N. Y. C. 1883.

GOULD, MILDRED RUTHERFORD (*English*) ..... Milledgeville, Ga.
Georgia Normal and Ind. College 1899–1904.

GRIFFITH, PRISCILLA (*English*) ..... Fredonia, N. Y.
State Normal, Fredonia 1901.

GRISWOLD, FLORENCE KRESSLER (MRS.) (*Elementary Education*) ..... New York City

HAGAMAN, FRED BLAIN (*Manual Training*) ..... Mt. Vernon, O.
Ohio State University 1902–1906.

HARKNESS, ALMA H. DE BELPRAT (*French*) ..... New York City

**HARRIS, HOWARD STODDARD ..... East Northfield, Mass.
Teachers College 1906.

HASTINGS, LUCIA MONTANA (*Kindergarten Supervision*) ..... Neosho, Mo.
Emporia, Kan , Normal 1891
Drake University 1897
Teachers College 1906

HODGE, HATTIE MASON (*Kindergarten*) ..... Burlington, Vt.
A.B. University of Vermont 1903.

HOPKINS, EMMA BARKDALE (*Mathematics*) ..... Savannah, Ga.

*HOWELL, ABBY STOUT (*Music*) ..... New York City
B.S. Columbia, 1906.

HUBBARD, ALICE CLARK (*Manual Training*) ..... New York City
B.L. Smith 1894.

HUNGERFORD, ALMA FLOY ..... Coldwater, Mich.
(*Elementary Teaching and Primary Supervision*)
Ypsilanti Normal, 1898.

HUNTINGTON, BELLE (*Physical Education*) ..... Brooklyn, N. Y.
Boston Normal School of Gymnastics 1900.

HURTY, KATHLEEN ELIZABETH (*Biology*) ..... New York City

JAMES, SARAH S. (*Mathematics*) ..... Oshkosh, Wis.
Oshkosh Normal 1882.

JOHNSTON, WILLIAM HAZLETT (*Mathematics*) ..... Brooklyn, N. Y.

JONES, MARY ELLEN (*Elementary Education*) ..... Newark, N. J.
Bloomsburg, Pa. State Normal 1897.

JONES, SUSIE MONKHAM (*Elementary Education*) ..... Waco, Texas

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*Diploma only. **Degree only.

KAGAN, FANNIE (*Nature Study*).....Wilna, Russia
Gymnasium, Wilna, Russia, 1900.

KEIGHTLEY, ANNIE KEIGHTLEY (*English*).....Pueblo, Colo.
Colorado State Normal, B.Pd. 1902 and M.Pd. 1903

KIRCHBERGER, ELSA (*German*).....New York City
Teachers Training School, Koblenz, Germany 1902.
University Berlin 1903 and Paris 1904–1905.

*KISSELL, MARY LOIS (*Fine Arts*).....New York City
Art Institute, Chicago 1899.

KNAPP, ELIZABETH SANBORN (*Manual Training*).....Yonkers, N. Y.
Mechanics Institute, Rochester, N. Y. 1898.

KREINER, LILLIAN MAY (*German*).....Newark, N. J.
Newark Normal 1894.

KRENNING, EDNA AMELIA (*English*).....Fort Recovery, Ohic
Western College, Oxford, O., 1900.

LAMPHEAR, GRACE EDITH (*Kindergarten*).....Somerville, Mass.
Chauncy Hall Normal 1896.

*LANMAN, FAITH ROBINSON (*Domestic Science*).....Columbus, Ohio.
B.S. Ohio State University 1903.

LAWSON, LENA (*Mathematics*).....Darlington, S. C.
A.B. Williamston Female College 1901.

LEE, CHARLOTTE EMMELINE (*Biology*).....Huntington, N. Y.
Mt. Holyoke College 1889–1891.

**LONDON, JEANETTE FANNIE.....New York City
Teachers College 1904.

LONG, ANNABEL BRADLEY (*History*).....Superior, Wis.
Wisconsin State Normal 1902.

LUDWIG, AUGUSTUS (*English*).....Brooklyn, N. Y.
Jamaica State Normal 1900.

MCCULLY, MAY SHIELDS (*Physical Education*).....New York City
Boston Normal School of Gymnastics 1902.

MCCULLY, OLIVE SIMPSON (*French*).....New York City
La Sorbonne, Paris, 1904.

MCFARLANE, JESSIE (*Geography*).....New Berlin, N. Y.
Albany Normal College 1900.

MCMAHON, ANNA ELIZABETH (*History*).....New York City

**MADDOCK, CATHERINE L. (*Secondary Education*).....New York City
Teachers College 1905 and 1906.

MASCORD, ELIZABETH FRANCES (*Kindergarten Supervision*).....Brooklyn, N. Y.
Packer Collegiate Institute 1895.
Pratt Institute 1899.

MERRICK, JESSE BEE (*Physical Education*).....Madison, Wis.
Plattsville, Wis. Normal 1900.
Ph.B. Wisconsin University 1904.

METZGER, LOUISE GERTRUDE WAGMANN (*German*).....Elmira, N. Y.
Buffalo Normal 1902.

MICHELL, MAUD ELENE (*English*).....New York City
Oregon State University 1902–1903.
McMinnville College 1903–1904,

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*Diploma only. **Degree only.

MILLER, WILLIAM AUGUSTINE (*English*).....Matawan, N. J.
Cortland Normal 1880.

MILLIKEN, EDWARD NORRIS (*Manual Training*).....New Bedford, Mass.
Institute of Technology, Boston 1894–1896.

**MURDOCK, ADA MARY.....New York City
School of Art 1888.
Teachers College 1906.

MURRAY, JENNIE ERSKINE (*English*).....New York City
Lionel School of Elocution 1902.

NESSLER, ESTELLE C. (*Domestic Art and Science*).....New York City
Lewis Institute, Chicago, 1902-1903.
University of Chicago 1903–1904.

NOLAN, GERTRUDE CECELIA (*Kindergarten*).....Paterson, N. J.
Paterson Normal School 1906.

PAINE, ALICE MAY (*Primary Supervision*).....Winona, Minn.
Winona, Minn. Normal 1900.

**PERHAM, BERTHA E.....Lestershire, N. Y.
Johnson State Normal 1889.
Teachers College 1902.

*PETT, CLARA G (MRS.) (*Domestic Science*).....New York City
Cortland Normal 1876.
Oswego Normal 1885.

PEYSER, ETHEL ROSE (*Domestic Science*).....New York City

PICKETT, WILLIAM JACKSON (*Mathematics*).....Worcester, N. Y.
Oneonta State Normal 1902.

**PINCKNEY, MARGARET MANIGAULT.....Charleston, C. S.
Kindergarten Association Charleston, S. C., 1896
Teachers College 1906.

PROUDFOOT, MARY AMELIA (*Elementary Education*).....Chicago, Ill.
Chicago Kindergarten Institute 1895.
Chicago Art Institute, 1901.
Pestalozzi–Froebel Haus, Berlin, Germany 1901.

RAINEY, MARY CORNELIA (*Kindergarten Supervision*).....Hudson, N. Y.
Oswego Normal 1891 and 1902.

REED, JOSEPH AMBROSE (*Primary Supervision*).....Seattle, Wash.
Nebraska University 1897–1900.

REILLY, KATHARINE ALOYSIA (*English*).....New York City
N. Y. Training School for Teachers 1901.

REININGER, WINIFRED BERTHA (*Domestic Art*).....Coram, L. I.
Edinboro, Pa. Normal 1886.
Pratt Institute 1904.

REYNOLDS, VIRGINIA (*History*).....New York City
Pa. State Normal 1884.
Oswego Normal 1887.
Teachers College 1905.

*ROBERTSON KATE, L. (*Domestic Science*).....Manhattan, Kan.
B.S. Kansas Agricultural College 1905

ROGERS, CHARLOTTE AMY (*History*).....Waverly, N Y.

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* Diploma only. **Degree only.

ROGERS, HARRIETTE SHATTUCK (*Domestic Science*).....Warren, Pa.
Westchester, Pa. Normal 1899.
A.B. Denver University 1903.

ROGERS, LOUISE (*Kindergarten*).....Brooklyn, N. Y
A.B. Smith College 1897.

ROLLINSON, EDITH HOYT (*Elementary Education*).....Rahway, N. J.

ROYCE, CHRISTOPHER (*Music*).....Cambridge, Mass.
A.B. Harvard 1900 and A.M. 1903.

RUBIN, JACOB (*Physical Science*).....New York City
A.B. C. C. N. Y. 1903.

RUSK, ELIZABETH (*Latin*).....St. Joseph, Mo

SALINGRÉ ESTELLE (*English*).....New York City
Normal College N. Y. C. 1883.

SARGEANT, BESSIE (MRS.) (*Fine Arts*).....Cleveland, Ohio
Cleveland Normal 1896.

SEWARD, FRANCES ADELINE (*Music*).....Florida, N. Y.

SEYMOUR, LURENE (*Domestic Art*).....Decatur, Ill
Ph.B. University of Michigan 1895.

*SHEPHERD, MARGARET JOSEPHINE (*Kindergarten Supervision*).....Brooklyn, N. Y.
Teachers College 1893 and 1894.

SIMMONS, MARY PILKINGTON (*Domestic Science*)..... Yonkers, N. Y

SLAYMAKER, REBECCA J. (*English and History*).....Westfield, N. J.
Millersville, Pa., State Normal School 1903.

SMALL, NELLIE GROSVENOR (*Elementary Supervision*) .....Buffalo, N. Y.

*SMITH, HELEN (*Fine Arts*).....Yonkers, N. Y.

SNYDER, BENTON LOUIS.. .....New York City
New Paltz, Normal 1904

SPELLER, MURIEL ISOBEL (*Domestic Art*).....New York City
Moulton College, Toronto, 1903.
Pratt Institute 1905.

SPRINGER, GERTRUDE LOUISE (*Kindergarten Supervision*)..... ..Kalamazoo, Mich
Free Kindergarten Ass'n. Chicago 1899.

STEELE, ELLEN (*Elementary Education*).....Passaic, N. J.
New Britain Normal 1895.

**STEINERT, JOHN BERNHARDT.....New York City
Teachers College 1898.

STRONG, SARA PORTER (*Domestic Science*).....Ft. Atkinson, Wis.
Stout Manual Training School, Menomonee, Wis., 1905.

TALMAGE SUSA AMELIA (*Primary Supervision*).....Provo, Utah
University of Utah 1894–1895
B.Pd. Brigham Young University 1903.

THAYER, WILLIAM MORTIMER (*Mathematics*).....Moravia, N. Y
Cortland Normal 1902.

**THORN, AMELIA VIOLA.....New York City
Winterton Kindergarten Training School 1895.
Teachers College 1906

TOMPKINS, AMALIA (*Mathematics*).....Ninety-Six, S. C
A.B. Columbia College for Women 1901

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*Diploma only. **Degree only.

TUFTS, EDITH MAY (*Elementary Supervision*) ..... Williamson, N. Y.
Oswego Normal 1896.

VALENTINE, FLORENCE ELLETT (*Kindergarten Supervision*) ..... Brooklyn, N. Y.
Pratt Institute 1901.

**VERY, EDITH ..... Hartford, Conn
Teachers College 1900.

WAITE, MARY GLOYD (*Kindergarten*) ..... Newark, N. J.
Training School, Toledo, O., 1897

WARDLAW, JEANNETTE BRUCE (*History*) ..... Palmyra, N. Y
Geneseo Normal 1905.

WAX, LEO W. (*German*) ..... New York City

WELLS, GUY FRED (*Elementary Teaching*) ..... Oakfield, Wis.
Oshkosh Normal 1900.

*WELSH, EUNICE WALLACE (*Domestic Science*) ..... Madison, Wis.
B.L. University of Wisconsin 1900.

WELSH, JESSIE L. (*German*) ..... Scranton, Pa.
A.B. Wilson College, 1906.

WEST, CLAUDE LORRAINE (*School Administration*) ..... Newark, N. J.
Bridgewater Normal 1896.

WHITTEMORE, GRACE MARGARET (*Domestic Science*) ..... Andover, Mass.

WILCOX, WINIFRED (*Elementary Supervision*) ..... Yonkers, N. Y.

WILLIAMS, CORA BLANCHE (*Primary Supervision*) ..... North East, Pa.
Clarion State Normal 1892.

WILSON, JOHN REED (*Elementary Education*) ..... Paterson, N. J.
N. J. State Normal 1893

WILSON, MARGARET RACHEL (*Primary Supervision*) ..... Bowdoinham, Me.
Farmington Normal 1902 and 1903.

WOOD, FLORENCE AMES (*Kindergarten*) ..... New York City
Pratt Institute 1897.

WOOD MARGARET CHESTER (*English*) ..... New York City
A.B. Normal College N. Y. C. 1896.

WYE, THEODORA ETHEL (*Latin and Greek*) ..... Sunderland, Md.
Ypsilanti Normal 1900.
Bryn Mawr 1901–1903.

YOUNG, ELIZABETH DUN (*Kindergarten*) ..... New York City
Pratt Institute 1898
Teachers College 1906.

YOUNG, MADELINE (*Mathematics*) ..... Sarahsville, Ohio
Ohio Wesleyan 1898–1899.

JUNIORS

*ADAMSON, ETHELWYNNE MARY (*Domestic Science*) ..... Glen Falls, N. Y.
A.B. Smith 1906

ALLEN, ETHEL BUEL (*History*) ..... Geneva, N. Y.
Geneva Teachers Training Class 1896.

ANGELL, MERTON ALMON, (*History*) ..... Bronx, N. Y.
Potsdam Normal 1899

APPEL, FRANK JOHN (*German*) ..... New York City
German-American Teachers Seminary, Milwaukee 1896.

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*Diploma only. **Degree only.

BAGLEY, JESSICA (*Manual Training*).....Oneonta, N. Y.
Oneonta Normal, 1900.

BALL, DAISY ANNA (*Mathematics*).....Buffalo, N. Y.
Buffalo Normal School 1906.

BARR, LOIS E. (*Mathematics*).....Holdredge, Neb.
Nebraska State University 1899-1900.

BASHFORD, HENRIETTA (*German*).....Yonkers, N. Y.

BAZINET, ANGELINE (*French*).....New York City

BELL, MABEL BEATRICE VALENTINE (*Mathematics*).....West New Brighton, S. I.
New York Training School for Teachers 1904.

BENTLEY, ESTHER (*Elementary Education*).....New York City
Cortland Normal 1905.

BERGAMINI, RACHEL (*English*).....New York City
N. Y. C. Normal College 1882.

*BLAKE, CORNELIA DOUGLASS.....New York City
Florence, Ala., Normal 1898.

BOGERT, ADA JOHNSTON (*Mathematics*).....Huguenot, N. Y.
Jamaica Normal 1903.

BOTSFORD, CHARLES SELWYN (*Physical Education*).....Manchester Center, Vt.
Springfield International Training School 1905.

*BOYD, VIRGINIA TUCKER (*Kindergarten*).....New York City
A.B. Barnard 1906.

BRENNECKE, JANE REBECCA (*Primary Supervision*).....Altoona, Pa.
Millersville, Normal 1886.

BROWN, MABEL F. (*Elementary Teaching*).....Dunkirk, N. Y.
Fredonia, Normal 1899.

BYRNE, MARY B. C. (*English*).....West New Brighton, S. I.
Albany Normal 1904.

*CALHOUN, MARGARET (*Physical Education*).....Springfield, Mass.
A.B. Vassar College 1901.

CLARK, ADA RANNEY (*German*).....Tenafly, N. J.
Teachers College 1901

COLLIGIAN, EUGENE ALOYSIUS (*History and English*).....Brooklyn, N. Y.

COHN, EMMA (*History*).....Yonkers, N. Y.

COOPER, HELEN ELIZABETH (*Domestic Science*).....Yonkers, N. Y

CORNISH, EMMA WHITE (*Mathematics*).....Woodbridge, N. Y.
Cortland Normal 1902.

COX, EVELYN BROWN (*Physical Science*).....Westfield, N. J.
N. J. State Normal 1905.

CRAIG, CAROLYN ROBERTA (*Domestic Art*).....Amity, N. Y.
Jamaica Normal 1905.

CRANE, ELLA E. (*History*).....Canandaigua, N. Y
Geneseo Normal 1887.

CROKER, JOHN CHARLES (*English*).....Brooklyn, N. Y.
A.B. Beaucamps, Lille France, 1874.

CRONAN, FRANCES J. (*English*).....New York City
Normal College, N. Y. C. 1891.

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*Diploma only.

DANIEL, MARY KING (*English*).....Davidson, N. C.
A.B. Presbyterian College, Charlotte, N. C. 1902.

DI PIRANI, CLARA (*French*).....Brooklyn, N. Y.

DOLLAR, FERNE VIDA (*Primary Teaching*).....Oshkosh, Wis.
Oshkosh Normal 1903.

DUNLAP, MABEL (*Domestic Art*).....Harrod, Ohio
Oswego Normal 1906.

EDGERTON, EDWARD I. (*Mathematics*).....Franklin, N. Y.
Oneonta Normal 1904.

FEUERSTEIN, MARY MAGDALENA (*German*).....Paterson, N. J.
Paterson Normal 1904.

FISHER, EDNA VAUGHAN (*English*)..... Florence, Col.
Colorado State Normal 1903.

FORSELL, Alva E. (*Mathematics*) .....New Brighton, S. I.
N. Y. Training School 1903.

*FRAISSINET, LINDA (*Domestic Science*) .....New York City
A.B. Vassar 1906.

FREEDMAN, LEO (*German and Latin*).....New York City
Columbia 1904–05.
N. Y. U. 1905–06.

FRISHE, HELEN (*Primary Supervision*).....Louisville, Ky.
Louisville Normal 1898.

GALEWSKI, AARON (*History*).....New York City
N. Y. U. 1904–05.
Columbia 1905–06.

GARLICK, EDITH SHAW (*Geography*).....Paterson, N. J.
Paterson Normal 1893.
Oswego Normal 1903.

GROVER, IDA AMBERMAN (*English*).....Red Bank, N. J.
N. J. State Normal 1903.

HAAS, ELLA (*Domestic Science*).....St. Louis, Mo.
Washington University 1902–1904.

HAKES, MARION (*Physical Science*).....Ilion, N. Y.

HARCOURT, NELLIE (*Physical Education*).....Guelph, Ontario
Teachers College 1905.

HARRISON, ANNA C. (*Kindergarten*).....Chatham, N. J.
East Orange Kindergarten 1903.

HENDERSON, ANNA LAURA (*Elementary Education*).....Green Bay, Wis.
Wisconsin State Normal 1902.

HERRMANN, HATTIE (*Mathematics*).....New York City
B.S. Normal College, N. Y. C. 1902.

HOAG, EDITH JOSEPHINE (*Elementary Teaching*).....Yonkers, N. Y.
A.B. Normal College, N. Y. C. 1899.

*HOCHKEIMER, HELEN ALICE (*Kindergarten*).....New York City
A.B. Barnard College 1905.

HODGE, HELEN LIDA (*Manual Training*).....Burlington, Vt.
University of Vermont 1898–1903.

HOGAN, KATHERINE ELIZABETH (*English*).....New York City

HORNE, ELSIE RUTHERFORD (*Domestic Science*).....Plainfield, N. J.

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*Diploma only.

HOWARD, FLORENCE LOUISE (*English, History*).....Brooklyn, N. Y.
Jamaica State Normal 1906

HOWE, CLAIRE GREENE (*Kindergarten*).....Adams, Mass.
A.B. Mt. Holyoke, 1903

HUMPELD, EMMA WILHELMINA (*Domestic Art*).....Kansas City, Mo.

IRELAND, ELIZUR WARD (*History*).....Unadilla, N. Y.
Oneonta Normal 1906

*IRVING, SYLVIA (*Elementary Teaching*).....New York City
Brooklyn Training School for Teachers 1896

JACKSON, ELLEN HUNT (*Latin*).....Florence, Ala.
Southern Normal College 1899

JANSEN, WILLIAM (*Mathematics*).....New York City

JONES, KATHARINE (*Fine Arts*).....Buffalo, N. Y.

KELLY, KATHERINE HESTER (*English and History*).....Kingston, N. Y.
Jamaica Normal 1906

KINGSBURY, JOHN ADAMS (*School Administration*).....Seattle, Wash.
University of Washington 1902–1906

KINGSBURY, LOUISE (*Domestic Science*).....Kalamazoo, Mich.
Toledo University Manual Training School 1896

KLEIN, CHARLES LOUIS (*History*).....New York City

KUESEL, ANNA E. (*German*).....Brooklyn, N. Y.
Brooklyn Training School for Teachers 1901

LEROY, WALTER IRVING (*Manual Training*).....Highland, N. Y.
New Paltz Normal 1904

LEVENE, HARRY (*Mathematics*).....New York City

*LEWIS, THOMAS KENYON (*Manual Training*).....Columbus, O.
B.S. Ohio State University 1894

LINGG, AMALIE SOPHIE (*French and German*).....Tompkinsville, N. Y.
Englishes Institute, Bavaria, 1901

LINN, PAUL HANG (*Elementary Education*).....Canton, China
Tientsin University 1896–1900

LOEB, JOSEPHINE (*Domestic Science*).....Albany, N. Y.
Albany Normal 1902

LUTH, EMILIE HELEN (*English*).....New York City
A.B. Normal College N. Y. C. 1904

MCCULLY, FLORENCE MARIE (*Kindergarten*).....Dayton, O.
Dayton, O. Normal School 1905

MCCURDY, DELLA (*Elementary Supervision*).....Brooklyn, N. Y.
Ypsilanti Normal 1905

MCLELLAND, MAY (*English*).....Mooresville, N. C.
A.B. Presbyterian College 1903

MCMAKIN, ANNIE LOUISE (*English*).....Spartanburg, S. C.
A.B. Converse College 1895

MACY, MARY SUTTON, M.D. (*English*).....New York City
M.D. N. Y. Medical College and Hospital for Women 1904

**MADDOCK, CATHERINE L.....New York City
Teachers College 1905 and 1906

**MARSH, DELLA.....Ft. Collins, Io.
Teachers College 1906

MARTIN, CHARLES JAMES (*Fine Arts*).....Providence, R. I.
Rhode Island School of Design 1904

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*Diploma only **Degree only..

MARTIN, MARY LAMOTTE (*English*).....Glenwood, N. J.
N. J. State Normal 1903 and 1905
MAYMAN, JACOB EDWARD (*Physical Science*).....Brooklyn, N. Y.
Jamaica Normal 1906
*MEYER, FLORENCE ALMA (*Physical Education*).....Yonkers, N. Y.
A.B. Barnard 1905
MEYER, MINNA M. (*German*).....New York City
California State Normal 1894
MIDDLETON, FLORENCE (*Secondary Education*).....New York City
Normal College N. Y. C. 1885
*MILLER, MARY CLARA (*Domestic Art*).....Pottstown, Pa.
MILLS, LEWIS SPRAGUE (*Elementary Education*).....Collinsville, Ct.
Willimantic Normal 1902
MITCHELL, MARIANNE (*Fine Arts*).....Southold, N. Y.
Adelphi Academy 1890
MODELL, DAVID A. (*English*).....New York City
Philadelphia School of Pedagogy 1900
MOELLER, SOPHIE AGNES (*Domestic Science*).....New York City
A.B. Normal College N. Y. C. 1902
MOORE, GEORGE DOLSON (*Mathematics*).....Middletown, N. Y.
MOORE, HENRY NELSON (*Manual Training*).....Pittsburg, Pa.
MORSE, LOUIS THEODORE (*Elementary Education*).....Brooklyn, N. Y.
Bridgewater, Mass. Normal 1900
NELSON, EMMA A. (*Mathematics*).....New York City
A.B. Normal College N. Y. C. 1903
NELSON, NEWMAN E. (*Fine Arts*).....New York City
NEWELL, ROBERTA (*Mathematics*).....Natchitoches, La.
La. State Normal 1902
NIELSEN, KJERSTEN (*Kindergarten*).....Peekskill, N. Y.
O'SHEA, EMMA CATHERINE (*Mathematics*).....Spokane, Wash.
OUTTERSON, BESSIE ELLEN (*English*).....E. Stroudsburg, Pa.
E. Stroudsburg, Pa. Normal 1905
OWENS, JULIA LOUISE (*Latin*).....Ridgefield, Ct.
N. Y. Training School 1903
PELONSKY, SARAH BLANCHE (*Elementary Teaching*).....New York City
State Normal, Salem, Mass., 1900
POLAND, ETHEL ELIZABETH (*Kindergarten*).....Newark, N. J.
N. J. State Normal 1902
RAPOPORT, DAVID (*History*).....New York City
RAUBICHECK, CHARLES WILLIAM (*History*).....Bronx, N. Y.
N. Y. Training School 1902–1904
REESOR, MARY (*Physical Education*).....Washington, D. C.
RIBLET, GRACE ELIZABETH (*Fine Arts*).....New York City
A.B. Normal College N. Y. C. 1903
RICE, NANNIE ROYALL (*History*).....Farmville, Va.
Va. State Normal 1900
*RIDLON, HESTER (*Domestic Science*).....Evanston, Ill.
B.S. University of Chicago 1903
RIESTER, LAURETTA FRANCES (*Manual Training*).....Buffalo, N. Y.
Buffalo State Normal 1906
RINEHART, GERTRUDE LOUISE (*Domestic Art*).....Toledo, Ohio
Pratt Institute 1903
ROSE, FLORA (*Domestic Science*).....Denver, Col.
Framingham Normal 1903
B.S. Kansas Agricultural College 1904

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*Diploma only.

RUSSELL, GRACE ELFREDA (*Domestic Art and Science*).....Peekskill, N. Y.

SAMPSON, MARGARET BOYLE (*English*).....Paterson, N. J.
Paterson Normal 1903

SARAUW, CHRISTINE (*French, German*).....Englewood, N. J.

SAUEREORN, CONRAD J. (*Mathematics*).....Newark, N. J.
N. J. State Normal 1905

*SCHENCK, ELLA LOUISE (*Domestic Science*).....Omaha, Neb.
A.B. Smith College 1904

SCHOTT, MARTHA (*Mathematics*).....New York City
A.B. Normal College N. Y. C. 1904

SHEMELEY, FLORENCE ESTELLA (*Geography*).....Asbury Park, N. J.
N. J. Normal 1895

*SHEPPARD, EMMA ELIZA (*Fine Arts and Manual Training*).....Daretown, N. J.
N. J State Normal 1897
Philadelphia Museum and School of Industrial Art 1902

SHERMAN, FRANCES IRENE (*History*).....Newport, R. I.
Rhode Island Normal 1897

**SHERRICK, MARY WEIMER.....Hinckley, N. Y.

SINSABAUGH, MARY MOULD (*English*).....Montgomery, N. Y.
New Paltz Normal 1894

SKINNER, EDNA LUCY (*Domestic Science*).....Kalamazoo, Mich.
Ypsilanti Normal 1901

SMART, ELIZABETH A. (*English*).....Morristown, N. J.
N. J. State Normal 1903

SMITH, CHARLES FREDERICK (*Manual Training*).....Cleveland, Ohio

STAMM, CAROLINE L. (*German*).....Mount Vernon, N. Y.
Albany Normal 1900

STODDARD, ORRIE SCHNEDICHER (*Elementary Education*).....Binghamton, N. Y.
Oswego Normal 1900

SUPPERN, ARTHUR ELLIOTT (*History*).....Corning, N. Y.
Berea College 1899–1903

SULLIVAN, JULIA ELLSBEE (*French*).....New York City
N. Y. Normal School of Physical Education 1904

TANNAHILL, SALLIE BELL (*Fine Arts*).....Englewood, N. J.
Smith College 1900–1903

THORNE, FRED (*Manual Training*).....New York City
New Paltz Normal 1901

TOWNSEND, EMILIE (*Elementary Education*).....Grand Rapids, Mich.
Ypsilanti Normal 1902

TUPPER, HARRIET AKIN (Mrs.) (*Elementary Education*).....New York City
Potsdam Normal 1885

WEEKS, FLORENCE LOUISE (*Mathematics*).....Long Island City, N. Y.
Jamaica Normal 1900

WILSEY, MYRTA M. (*Elementary Education*).....Milwaukee, Wis.
Ypsilanti Normal 1906

WILSON, ANNA TEER (*Primary Supervision*).....Worcester, N. Y.
Geneseo State Normal 1898

WILSON, WILLIAM HENRY (*Elementary Teaching*).....Paterson, N. J.
N. J. State Normal 1903

WINKLER, CLAUDIA A. (*Latin*).....Winston-Salem, N. C.
Salem Academy and College 1895

WOLFE, VERONICA LENA (*Domestic Art*).....New York City

WOODSON, ELSIE (*History*).....Charleston, Ill.

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*Diploma only. **Degree only.

Candidates for Special Diploma or Certificates

SECOND YEAR

AMBROSE, EDITH MARGARET (*Hospital Economics*).....Black Rock, Ct.
Presbyterian Hospital N. Y. C. 1904
Teachers College 1905

ANDREWS, FLORENCE MYRA (*Fine Arts*).....New York City
Cooper Union Certificate 1902
Syracuse University Certificate 1905

BABCOCK, EUGENIA (*Fine Arts*).....Grand Rapids, Mich.

BARANOFF, REVA (Mrs.) (*Elementary Education*).....New York City
Teachers Training School, Russia 1894

BELCHER, MARY BULLOCK (*Kindergarten*).....Upper Montclair, N. J.

BOICE, CARRIE LOUISA (*Domestic Art*).....Kennett Square, Pa.
B. E. Millersville, Pa. State Normal 1895 and M. E. 1897

BUELL, KATRINA (*Fine Arts*).....Brockville, Ontario

BUSSING, AGNES MAUDE (*Kindergarten Supervision*).....Brooklyn, N. Y.
Pratt Institute 1896

CACERES, MARIA (*Kindergarten*).....Santiago, Chili
Normal School, Santiago 1903

CHAMBERLIN, MARJORIE (*Fine Arts*).....Bloomington, Ill.
Illinois State Normal 1906

COSTIKYAN, ZABELLE (*Kindergarten*).....London, Eng.

CUNNINGHAM, OLIVIA (*Manual Training*).....Florence, Ala.

DAILEY, FRANCES AVERILL (*Music*).....Englewood, N. J.

DANIELSON, CARL (*Music*).....Red Bank, N. J.
Karlstads Laroverk Sweden 1892–1898
Royal Academy of Music, Stockholm

DE LURY, ABBIE (*Domestic Science*).....Manilla, Canada
Toronto Normal 1893
Macdonald Institute, Guelph 1906

DONNELLY, ISABEL GENEVIEVE (*Kindergarten*).....New York City

DORSETTE, SADIE (*Elementary Education*).....Tuskeegee, Ala.
Tuskeegee Institute 1904

DRUMMOND, EVELYN MAUD (*Elementary Teaching*).....New York City

DURKEE, CAROLINE JOSEPHINE (*Hospital Economics*).....New York City
Philadelphia Hospital Training School 1887
Teachers College certificate 1906

FADDIS, JENNIE REBECCA (*Elementary Teaching*).....Chicago, Ill.
Chicago Free Kindergarten Association, 1888
Oberlin College 1892–1894

FLYNN, MARIE ELLEN (*Kindergarten*).....Stewartsville, N. J.

FORBES, LOUISE JEWETT (Mrs.) (*Kindergarten Supervision*).....St. Paul. Minn.
Teachers Training School, St. Paul, Minn. 1894

GLENN, SARAH ELLIS (*Kindergarten*).....Richmond, Va.
Richmond Training School for Kindergartners 1906

GOLDSMITH, LAURA WOLCOTT (*Physical Education*).....Berlin, Germany

GRAHAM, HELEN (*Domestic Science*).....Ruston, La.
B. I. Louisiana Industrial Institute 1902

HARCOURT, ELIZABETH (*Hospital Economics*).....Guelph, Ont.
Buffalo General Hospital 1893

HASKINS, MARTHA WADSWORTH (*Fine Arts*).....Roxbury, Mass.
Boston Art Museum 1904

HAYES, MAUD ELLEN (*Kindergarten Supervision*).....New York City
Teachers College 1893

HEAPHY, GERTRUDE MARY (*Primary Supervision*).....New York City

HEDGES, ANNA (*Hospital Economics*).....New York City
Homeopathic Hospital 1898
HOLMES, ANNE CORINNE (Fine Arts).....Saginaw, Mich.
Saginaw Training School 1905
JORDAN, MARY MILES (*Elementary Supervision*).....Anniston, Ala.
Laurens Female College 1891
LAMSON, CAROLINE (*Manual Training*).....Salt Lake City, Utah
St. Paul Teachers Training School 1888
LEWIS, MARTHA JOSEFINE (*Manual Training*).....Montclair, N. J.
LOBDELL, JOHN NATHAN (*Manual Training*).....Hartford, Ct.
Potsdam State Normal 1894–1898
LUCAS, ELLA BERTINE (*Fine Arts*).....Poquetanuck, Ct.
Art Students League 1893–1897
MCCAIG, CATHARINE (*Domestic Science*).....Collingwood, Ont.
Collingwood Model School 1896
Macdonald Institute 1906
MERRIAM, ELIZABETH EUNICE (*Kindergarten Supervision*).....Saginaw, Mich.
Alma College 1901
MINER, GENEVRA MAY (*Kindergarten*).....Orinskany Falls, N. Y.
Utica Conservatory of Music 1903
MURRAY, ISABEL (*Domestic Science*).....St. Thomas, Ont.
Toronto Technical School 1903
Macdonald Institute, 1904
NASSAU, BRUNETTE FOSTER (*Music*).....Trenton, N. J.
NICHOLSON, JANE HERBERT (*Kindergarten Supervision*).....Brooklyn, N. Y.
Pratt Institute 1897
NORTON, RUTH WATERMAN (*Kindergarten Supervision*).....Burlington, Vt.
Albany Normal 1899
OPPERMAN, JULIA MAE (*Kindergarten*).....Brooklyn, N. Y.
Adelphi Normal 1906
OWEN, GOERTNER GREENLEAF (*Kindergarten*).....Saginaw, Mich.
Saginaw Kindergarten College 1904
PERCY, ISABELLE CLARK (*Fine Arts*).....Oakland, Cal.
Mark Hopkins Art Institute 1900–1903
PERRY, AURILLA JEAN (*Hospital Economics*).....Noroton Heights, Ct.
Hartford Hospital Training School 1889
REEVES, ALLIE GRACE (*Manual Training*).....Watertown, N. Y.
Watertown Teachers Training School 1901
REYNOLDS, HELEN MARY (*Elementary Supervision*).....Miles City, Mont.
Oshkosh, Wis., Normal 1892
ROSE, JANET ISABEL (*Music*).....Port Allegany, Pa.
Oberlin College 1896–1897
Syracuse University 1899–1902
RUST, ETHEL HATHAWAY (*Domestic Science*).....New Bedford, Mass.
Simmons College 1903–1905
SCHIFFER, JOSEPHINE (*Domestic Science*).....Wilmington, Del.
Albany Teachers Training Class 1885
Drexel Institute 1900
SCHWEIGER, GERTRUDE VERA (*Fine Arts*).....Bronx, N. Y.
SMITH, BESSIE HELMER (*Kindergarten*).....Yonkers, N. Y.
STEINER, ANNA MARIE (*Kindergarten*).....Brooklyn, N. Y.
Manhattan Kindergarten Training School 1892
SUTHERLAND, MAUDE R. (*Fine Arts*).....Brooklyn, N. Y.
National Academy of Design 1894
UTSUMI, SHIZUKA (*Manual Training*).....Tokyo, Japan
Kyoto Normal School 1892
Higher Technological School, Tokyo, 1895

WADSWORTH, EDITH JOSEPHINE (*Kindergarten Supervision*).....Hastings, N. Y.
Oswego Normal 1891
WALTER, MARY VIOLA (*Primary Supervision*).....Johnstown, Pa.
WILSON, SARAH MOORE (*Domestic Science*).....Wyncote, Pa.
Drexel Institute 1892
WITMEYER, LYDIA (*Fine Arts*).....Marinette, Wis.
WOODS, MARY (*Manual Training*).....Brooklyn, N. Y.
Pratt Institute 1890

FIRST YEAR

ADAMS, EMMA LOUISE (*Kindergarten Supervision*).....Jordan, N. Y.
Kraus-Boelté Training School 1896
ADAMS, HENRIETTE (*Domestic Science*).....Brooklyn, N. Y.
Pratt Institute 1898
ANABLE, ALMA (*Elementary Teaching*).....New York City
Miss Hunter's Training School 1895
ATWOOD, NORA (*Kindergarten Supervision*).....Rochester, N. Y.
Lucy Wheelock Kindergarten Training School Boston, Mass. 1894
BAKER, MARY ELLIFF (*Kindergarten*).....Closter N. J.
BAYERN, FRIEDA JUDITH (*Domestic Art*).....New York City
Hebrew Technical School for Girls, 1902
N. Y. C. Normal 1906
BENEDICT, MINNIE ELIZABETH (*Elementary Teaching*).....Plainfield, N. J.
Albany Normal 1883
BREWER, ANNIE TAYLOR (*Grammar Grades*).....Anniston, Ala.
BREWER, MARGARET DRYDEN (*Fine Arts, Manual Traing*).....Chicago, Ill.
BRIGGS, ANNIE BENNETT (*Kindergarten*).....East Orange, N. J.
BUDINICH, JOHN (*Physical Education*).....Coquimbo, Chile
Colejio Catolico, La Serena, Chili, 1892
Escuela Naval Valparaiso, 1894-1895
BURDICK, EDITH MAY (*Kindergarten*).....Orange, N. J.
Adams Kindergarten Training School 1903
CALLEN, SARA LOUISE (*Elementary Teaching*).....Selma, Ala.
CAMPBELL, LAURA G. (*Fine Arts*).....Tracy, Minn.
Minneapolis School of Fine Arts 1904–1906
CAMPBELL, NELLE (*Domestic Science*).....Upper Montclair, N. J.
CAMPBELL, SUSAN EDITH (*Manual Training*).....Decatur, Ill.
Chicago Kindergarten Institute 1899
CAMPBELL, VIOLA HORTENSE (*Domestic Science*).....Yonkers, N. Y.
CAPRON, BESSIE ADELAIDE (*Domestic Science*).....Freeport, Ill.
CHANDLER, HELEN CLARK (*Fine Arts*).....Berkeley, Cal.
COATES, GLADYS (*Domestic Art*).....New York City
COBB, ETHELYN PRATT (*Fine Arts*).....Titusville, Pa.
COLBERT, EMMA (*Primary Supervision*).....Wabash, Ind.
COLLINS, EDITH MCCREARY (*Elementary Teaching*).....Baltimore, Md.
COLLINS, MAGGIE BELLE (*Domestic Art*).....Emporia, Kan.
Kansas State Normal 1896
COMSTOCK, CATHARINE ANNE (*Elementary Teaching*).....Torrington, Ct.
CONGER, ALICE DE CAMP (*Physical Education*).....New Brunswick, N. J.
CRETCHER, MARTHA CARMEL (*Hospital Economics*).....New York City
Hartford Hospital Training School 1891–1893
COX, JEAN (*Domestic Art*).....Manti, Utah
University of Utah 1901–1902
DABNEY, ELLEN POWELL (*Domestic Science*).....Bowen, Ill.
Chicago Female College 1882
DAVID, DOROTHY (*Primary Supervision*).....Indianapolis, Ind.
Indianapolis Normal 1879

DECKER, KATHERINE ANNA (*Hospital Economics*).....Girard, Pa.
Hamot Hospital Erie, Pa., 1901
DEMENT, LUCIA W. (*Fine Arts*).....Chicago, Ill.
Chicago Art Institute Normal 1905
DENTON, EMMA (*Domestic Science*).....St. Louis, Mo.
DOLFINGER, EDNA (*Fine Arts*).....Louisville, Ky.
DORLAND, BONNIE BELLE (*Domestic Art and Science*).....Arlington, N. J.
DUNCAN, LYDA ALLEN (*Elementary Education*).....Danville, Ky.
DUNCAN, MABEL HARRISON (*Fine Arts*).....New York City
DUNCAN, MARY LUCY (*Kindergarten*).....Decatur, Ga.
Agnes Scott College 1896–1900
ELSON, FRANK WELCH (*Manual Training*).....Cleveland, O.
FARNUM, A. FLORINE (*Physical Education*).....New York City
FERRIGAN, MARY SLOANE (*Domestic Art*).....New York City
GAMBLE, EDITH GERTRUDE (*Kindergarten*).....New York City
GARRISON, CHARLOTTE GANO (*Kindergarten*).....Cincinnati, O.
Cincinnati Kindergarten Training School 1903
HALL, NELLIE BLANCHE (*Hospital Economics*).....Grand Rapids, Mich.
Butterworth Hospital 1903
HARSHMAN, CALLIE M. (*Fine Arts*).....Compton, Cal.
HARTZELL, ADA MARY CATHARINE (*Elementary Teaching*).....Newport, Pa.
HASKELL, AMY (*Kindergarten*).....Bath, N. Y.
HASTINGS, MARY E. (*Elementary Supervision*).....Troy, N. Y.
HAYES, ANNA GIBB (*Hospital Economics*).....Parsons, Kan.
Bishop Training School for Nurses 1904
HEALY, FLORENCE MARY (*Physical Education*).....Brooklyn, N. Y.
HENDERSON, EVA MARIA (*Domestic Science*).....Berkeley, Cal.
HERRON, LUCILE FULLER (*Domestic Art*).....Indianapolis, Ind.
Indianapolis Normal 1901
HOLLISTER, ETHEL MAE (*Domestic Art*).....Golita, Cal.
HYDE, BLANCHE EVELYN (*Domestic Art*).....New York City
IRELAND, ANNA BELLE (*Manual Training*).....Merchantville, N. J.
School of Industrial Art, Philadelphia, 1906
JACOBSON, SADIE LILA (*Domestic Art*).....New York City
JOHNSON, ELIZABETH (*Grammar Grades*).....Parkersburg, W. Va.
JOHNSON, MARY HUNTER (*Kindergarten*).....Mt. Sterling, Ky.
JOHNSON, PORTIA (*Domestic Art*).....Corwith, Iowa
JOHNSON, WILLIAM CASSIUS (*Manual Training*).....Warrensburg, Mo.
B.Pd. Missouri State Normal 1906
JOHNSON, WORTHY (*Manual Training*).....Point Peter, Ga.
Georgia State Normal 1902
JONES, ADELE M. (*Domestic Art*).....Dayton, Ohio
Dayton Normal 1904
JONES, RUTH (*Elementary Education*).....Baltimore, Md.
KIERSTED, ROSE ANNA (*Fine Arts*).....Chicago, Ill.
KIRBY, VIRGINIA ROWLAND (*Fine Arts*).....Potsdam, N. Y.
Potsdam Normal 1902
KRUG, FLORA (*Hospital Economics*).....South Hadley Centre, Mass.
Holyoke City Hospital 1905
LARTER, HELEN MATILDA (*Kindergarten*).....Kingston, N. Y.
Syracuse University 1904–1906
LEE, FLORENCE MARGARET (*Domestic Art*).....Mamaroneck, N. Y.
Woman's College 1894–1898
LEGGETT, ANNA LEE (*Domestic Science*).....Altamont, N. Y.
Pratt Institute 1895
LEMON, MARGARET ARCENIA (*Elementary Education*).....Barnwell, S. C.
Charleston, S. C., Normal 1892

LONG, ALMA IRENE (*Domestic Art*).....New Haven, Ct.
McKEEN, ELIZABETH (*Domestic Science*).....Easton, Pa.
McNALLY, KATHERINE MARY (*Kindergarten*).....New York City
McMILLAN, MARY ELIZA (*Fine Arts*).....Red Springs, N. C.
MACDONALD, CATHERINE COVILLE (*Domestic Science*).....Delhi, N. Y.
Boston School Domestic Science 1904
MACNEIL, ADELA ROBEY (*Fine Arts*).....Pasadena, Cal.
MANLOVE, MYRA BELL (*Fine Arts*).....Oakland, Cal.
California Normal 1898
MARKER, IDA MAUDE (*Hospital Economics*).....Rifle, Col.
Colo. Training School for Nurses 1898
MARTIN, MARION MILLER (*Kindergarten*).....Madison, N. J.
METCALF, MARTHA LOIS (*Domestic Science*).....Indianapolis, Ind.
MILLER, MARY EMMA (*Fine Arts*).....Westfield, N. J.
MILLER, ROSA ELIZABETH (*Fine Arts*).....Terryville, Conn.
New Britain, Conn., Normal 1895
MUHR, EDITH D. (*Hospital Economics*).....Camanche, Iowa
B.D. Iowa State Normal 1896
NATHANS, ANNABEL JOSEPH (MRS.) (*Fine Arts*).....New Orleans, La.
Newcomb College, 1902–1904
NICHOLS, DOROTHY MOTTE (*Kindergarten*).....East Orange, N. J.
OTIS, EDWARD KING (*Fine Arts*).....Worcester, Mass.
Pratt Institute 1904–1906
PENDLETON, AMENA (*Elementary Teaching*).....Bryn Athyn, Pa.
PINCKNEY, MARIE LOUISE (*Fine Arts*).....Minnetonka Beach, Minn.
Minneapolis School of Fine Arts 1901–1906
PITNER, INA KLOSKING (*Domestic Science*).....Evanston, Ill.
Lewis Institute 1905–06
PLANER, CLARA HELENE (*Elementary Teaching*).....Hoboken, N. J.
PURNELL, ANDASIA (*Manual Training*).....Snow Hill, Md.
RANKIN, ADA H. (*Elementary Teaching*).....Cincinnati, O.
REINHOLD, CARRIE KURTZ (*Domestic Art*).....New York City
RICH, LOUISE ELEANOR (*Kindergarten*).....Williamsport, Pa.
RING, HELEN MARGARET (*Kindergarten*).....New York City
RODES, FRANCES LOUISE (*Fine Arts*).....Monroe, Va.
Southern Presbyterian College 1903–1906
RUEDIGER, HAZEL PIETSCH (MRS.) (*Domestic Science*).....New York City
Montana Normal College 1904
SABOURIN, MARY LILLIAN (*Fine Arts*).....Arlington, N. J.
Cooper Union 1905–06
SCHRAMM, LYDIA EUPHROSINA (*Primary Supervision*).....Payson, Utah
University of Utah Normal 1901
SHERMAN, DOROTHY (*Fine Arts*).....Mt. Vernon, N. Y.
SMEDLEY, ALICE EDNA (*Elementary Education*).....Willistown Inn, Pa.
SMITH, GERTRUDE MORRIS (*Domestic Science*).....Grand Rapids, Mich.
SMITH, VIRGINIA KETURAH (*Domestic Science*).....Tyrone, Pa.
Indiana, Pa. Normal 1897
SPINGLER, AUGUSTA (*Kindergarten*).....Poughkeepsie, N. Y.
Poughkeepsie Training School 1898
STEELE, ANNA TATE (*Elementary Education*).....Kansas, Ill.
Glendale College 1904–1906
STEPHENS, MERLE MARIE (*Domestic Art*).....Atlanta, Ga.
Georgia Normal 1898
Oread Institute, Worcester, Mass., 1893
STORY, MARY (*Manual Training*).....Oakland, Cal.
STROPE, ALICE (*Physical Education*).....New York City
SUYDAM, SARA MARIE (*Fine Arts*).....Ridgefield, N. J.

SWING, ELLA DONALDSON (*Manual Training*).....Granville, O.
Boston Kindergarten Normal 1902
TAYLOR, LAURA ANDREWS (*Kindergarten*).....Pueblo, Col.
THOMAS, DE ROSSETTE (*Domestic Science*).....San Antonio, Tex.
THOMPSON, JENNIE LLOYD (*Kindergarten*).....Highwood, N. J.
TORRENT, LEWIS (*Manual Training*).....Muskegon, Mich.
TOWNSEND, CORNELIA (*Primary Supervision*).....Odessa, Del.
TRIPP, LUCY EMMELINE (*Fine Arts*).....Mt. Pleasant, Mich.
TROEGER, ELIZABETH EMILY (*Fine Arts*).....Charles City, Iowa
Art Students League N. Y. C. 1887–1891
Académie Vitté, Paris 1895–1898
School of Applied Design, Grand Rapids 1905–1906
TROY, LOTA LEE (*Fine Arts*).....Greensboro, N. C.
VAIL, EDNA (*Primary Teaching*).....Hamden, N. Y.
VANDERBILT, SADIE BIRD (*Domestic Science*).....New York City
Normal College N. Y. C. 1891
VAN KIRK, AGNES ELLIS (*Elementary Teaching*).....Hartford, Ct.
VAN VOSBOURGH, LILLIAN MARY (*Hospital Economics*).....Baltimore, Md.
Maryland General Hospital 1902
WALLACE, HOWARD HOSTFORD (*Manual Training*).....New York City
WARRIN, HELEN C. (*Elementary Education*).....Jersey City, N. J.
Jersey City Training School 1883
WATERS, ANNIE WILLSON (*Elementary Teaching*).....Normandy, Ky.
WEBB, ETHEL GLADYS (*Domestic Art*).....Franklin, Ind.
Kentucky University 1904–1905
WESSA, ALICE (*Elementary Teaching*).....Pueblo, Col.
WILLIAMS, SUSAN ELIZABETH (*Elementary Education*).....New York City
Normal College N. Y. C. 1889
WILLS, ELLA GARDNER (*Kindergarten Supervision*).....Denver, Col.
Denver Normal and Preparatory School 1906
WINDLE, ANNE ELMA (*Elementary Education*).....Guthriesville, Pa.
WINTER, WILLIAM EDWARD (*Manual Training*).....Williamsport, Pa.
WOOD, CHRISTINE MARGARET (*Fine Arts*).....Columbus, O.
Columbus Normal 1892
Columbus Art School 1896

SOPHOMORES

ADAMS, KATHLEEN.....Montclair, N. J.
BARBER, FRANK WESTON.....Wilton, N. H.
BENNETT, CLARA RACHEL.....E. Stroudsburg, Pa.
BENSON, LELAND WARD.....Port Jefferson, L. I.
BRIGGS, BERTHA IMOGENE.....Dartmouth, Mass.
CONKLIN, ISAAC THORN.....New York City
COYNE, MARY AGNES.....Yonkers, N. Y.
DUNBAR, MAJRORY.....Dobbs Ferry, N. Y.
FERRIN, FLORENCE ALMA.....Montpelier, Vt.
FORD, ALBERT.....New York City
GENIN, MAY.....Atlantic Highlands, N. J.
GRANT, EDITH TORREY.....Summit, N. J.
HAMEL, GEORGIANA.....Newark, N. J.
HAMILTON, EDITH LEILA.....New York City
HOWARD, IDA MILLER.....Pulaski, Va.
HOWLAND, GEORGE F.....New York City
KARNER, MARY LOUISA.....Plainfield, N. J.
KLEIN, JESSIE CLAIRE.....New York City
KOEHLER, BERTHA KATRINA.....Rutherford, N. Y.
LAWSON, GERTRUDE PRINGLE.....New York City

LYNCH, GEORGE ALOYSIUS.....New York City
MARTINI, AUGUSTA.....New York City
MEAD, ELLA.....Brooklyn, N. Y.
MONSKY, JOSEPH.....New York City
MORIARTY, MARY LILLIAN.....South Manchester, Conn.
MORRIS, NAN HYNSON.....Yonkers, N. Y.
MORRISSEY, ALICE.....New York City
MURTLAND, CLEO.....Newark, N. J.
O'BRIEN, MARY BRENNAN.....New York City
PUORRO, MICHAEL.....Brooklyn. N. Y.
REDMOND, KATHARINE CLARE.....Greene, N. Y.
ROSE, LILLIE.....New York City
SELLECK, KATE LOUISE.....New York City
SHAW, RUTH CORNELIA.....Honolulu, Hawaii
SIGAFUS, ANNA EMILY (*History*).....Bloomfield, N. J.
SMART, ISABELLE THOMPSON, M.D.....New York City
THOMPSON, HELEN FRANCES.....Yonkers, N. Y.
TROTTIER, THEOPHILE.....New York City
WAND, MAUDE PHYLLIS.....Hastings, N. Y.
WARING, REBERTA AMANDA.....Baltimore, Md.
WARING, REGENDIA ALICE.....Baltimore, Md.
WEHLE, ELIZABETH LOVERIDGE.....New York City
WHITE, WALTER CHARLES LEWIS.....Brooklyn, N. Y.

SPECIAL STUDENTS

CLARK, FRANCES HELENE.....Cookville, Tenn.
CURTICE, FLORENCE ELOISE.....Rochester, N. Y.
DAVID, ALICE KEZIAH.....Indianapolis, Ind.
FREIDENRICH, EDYTH.....New York City
A.B. Barnard 1906
GALARCE, CATALINA.....Buenos Aires, Argentine Republic
HIBBARD, MARY PAGE.....Pittsfield, Mass.
HICKOK, NELLE WILLARD.....St. Albans, Vt.
HUMANN, OTTO VICTOR.....New York City
Chicago Art Institute 1898
NUTT, GEORGE HERBERT.....Newton, Pa.
B.S. Worcester Polytechnic 1890
PERNESSIN, NOÉMI.....New York City
WELCH, FANNIE PORENCE.....Passaic, N. J.
N. J. State Normal 1895

SUMMER SESSION, 1906

The following matriculated students, not in residence during the academic year 1906–1907, were in attendance at the Summer Session of 1906. For candidates for the higher degrees see p. 294 *et seq.*

ALWOOD, ALICE PENFIELD.....Wheeling, W. Va.
Chemistry, Domestic Science.
ARKUSH, SOPHIE.....New York City
Mathematics, Physical Education.
AVERELL, EVA.....Brooklyn, N. Y.
New York University, Pd.M. 1896.
Education.
BESANÇON, BEATRICE ELIZABETH.....West Hoboken, N. J.
English, Mathematics.
BOONE, CHESHIRE LAWTON.....Montclair, N. J.
English, History.

BOYCE, ZARA MCCLELLAND.....Round Lake, N. Y.
Drawing, French, Manual Training.

BRINDLEY, CAROLINE WHITLOCK.....New York City
Education, Psychology.

BRONTÉ, EVELINE.....New York City
Education, English, German.

BRYAN, EDWARD HOLCOMB..Sergeantsville, N. J.....Newark, N. J.
Education, Physical Education.

CAHN, ANITA GELLA.....New York City
Columbia University, A.B. 1903.
Mineralogy, Physiology.

COOK, FRIEDA HERMINA.....Brooklyn, N. Y.
German, Mathematics, Physical Education.

COOPER, MANDILEE.....Jersey City, N. J.
Manual Training.

CROOKS, NELLIE.....Decatur, Ill.
Economics.

DAKIN, WILSON SHELDON.....Northampton, Mass.
Education, Psychology.

DAVIS, ANNA MAY.....East Haddam, Conn.
Education, Manual Training.

DAYTON, MARY URANIA.....East Orange, N. J.
Education, Physiology.

DINEEN, HELEN.....New York City
English.

DOHERTY, MARY.....New York City
Mathematics.

DOUGLAS, ISABEL RANDOLPH.....New York City
Education, Nature Study.

DUNN, ANNIE VREDENBURGH.....Macon, Ga.
Manual Training.

ELDRED, MARY LOUISE.....Brooklyn, N. Y.
Education, Psychology.

EMMONS, MARY.....Frenchtown, N. J.
English, History, Physical Education.

FALLS, LAURA.....New York City
Manual Training.

GAMBIER, LOUISE MARC.....New York City
Education, French.

GRUNDY, ELIZABETH.....Paterson, N. J.
French, German, Music, Physical Education.

HALL, LILLIAN.....Georgetown, Tex.
English.

HALLOCK, ESTELLE MARCY.....Binghamton, N. Y.
Education, French.

HANN, RUTH PENMAN.....Scranton, Pa.
Chemistry, Psychology.

HELLER, MARY ELIZABETH.....Eastport, Md.
French, German.

HILGEN, EDWARD FRED.....Cleveland, O
Manual Training.

HILL, CORA M.....New York City
Education, English, Sociology.

HIX, MELVIN.....Flushing, N. Y.
French, German.

HOLLINGSWORTH, LOUISA M.....Scotch Plains, N. J.
French, German,

HORTON, MARY SNOW.....Orange, N. J.
German.

HOWARD, MARGARETTE ELIZABETH.....North East, Pa.
French, Philosophy.

HULSKAMP, HENRIETTA.....New York City
New York Normal College, A.B. 1902.
German, Psychology.

HUNTER, LUCY BEALL.....Hagerstown, Md.
Philosophy.

JACKSON, ELMOR POLIC.....Whiting, Ind.
Oregon Agricultural College, B.S. 1904.
Education, Manual Training, Psychology.

JARVIS, KATHERINE AGNES.....New York City
Psychology, Physiology.

JONES, CLARA CHAPIN.....Bloomfield, N. J.
Education, History.

JONES, MARY PHILIPPA.....Florence, Ala.
Education, Manual Training.

KING, MARTHA ANN.....Charleston, S. C.
Domestic Science.

KRAMER, CLARA LOUISE.....Tuckahoe, N. Y.
Education.

LAURENCE, HELENA ANNA.....Hudson, Mich.
Chemistry, Domestic Science.

LEWIS, HALLIE CORINNE.....Marianna, Fla.
Education.

MCILROY, SAMUEL HUGH.....Highland Falls, N. Y.
Education, Philosophy, Psychology.

MACGREGOR, KATE MILLER.....Hillburn, N. Y.
History, Physics.

MANN, NELLIE LUCINIA.....Newark, N. J.
Mathematics.

MEAGHER, FRANK LEO.....Kingston, N. Y.
Education, Psychology.

MEEKER, GRACE VIOLA.....Roseland, N. J.
Manual Training.

MORRIS, THOMAS FRANCIS.....Allegheny, Pa.
Drawing, Manual Training.

MORROW, HARVEY MORGAN.....Plantersville, Ala.
English, German. History.

NAYLOR, ELLA.....Baltimore, Md.
Education, English.

O'DONNELL, MARY E.....New York City
Psychology.

O'KELLY, CALLIE.....La Grange, Ga.
Southern Female College, A.B. 1903.
Mathematics.

PARKINSON, HELEN.....Jackson, Mich.
Education, Physical Education.

PRATT, HELEN LOUISE.....Bridgeport, Conn.
Geography, Nature Study, Psychology.

PRENTICE, IDA WHITCOMB.....New York City
English.

PROCKNOW, CHARLOTTE SOPHIA.....Port Chester, N. Y.
French, German.

PROUTY, IRIS GERTRUDE.....Spencer, Mass.
Drawing.

PUTNAM, HARRIETT ELMINA.....Fredonia, N. Y.
Education.

RECORD, MRS. CARRIE LIVERMORE.....Fredonia, N. Y.
Education.

REID, MABEL.....Warren, Ohio
Education.

RÜHL, ANNA.....Terre Haute, Ind.
German.

RYAN, AMANDA LANG (MRS.).....New York City
English, Psychology.

SALTZA, ELIZABETH CHRISTINA VON.....New York City
Columbia University, B.S. 1906.
Geography, Physical Education.

SANDT, JOHN HERMAN.....Lafona, Pa.
Manual Training.

SAUNDERS, JEOSEPH HENRY.....Portsmouth, Va.
Education.

SAYLES, NETTIE CAROLINE.....Evansville, Wis.
Education.

SCHWARZENBACH, PETER ADAM.....New York City
Manual Training.

SILLIMAN, FLORENCE ELECTA.....Arlington, N. J.
Education.

SIMONDS, EVA LAURA.....Newark, N. J.
Education, English.

STAUDE, LENORE LUCIA.....Troy, N. Y.
German.

STEINBRENNER, LOUISE.....Lowville, N. Y.
Education, English, French.

STUART, MRS. JESSIE.....Cleveland, O.
Education, English.

TALBOT, L. ADELE.....Baltimore, Md.
Education, Manual Training.

TOMPKINS, ADA ECKERT.....Yonkers, N. Y.
Education, English, Psychology.

WALLACE, FLORENCE DIDIER.....Baltimore, Md.
Manual Training.

WATERBURY, AVIS.....Westfield, Mass.
Manual Training.

WEBSTER, SARAH EMBLINE.....New York City
University of Illinois, A.B., 1898.
Education, Manual Training.

WHITNEY, WILL.....Milltown, N. B., Canada
Education, Manual Training.

WILCOX, LUCIA C.....Cleveland, O.
Education, Geography.

WOODFIELD, ARTHUR GRANDON.....Lyons Farm, N. J.
Western Maryland College, A.B., 1897.
Education.

SUMMARY

I.	Graduate Students:	
	Candidates for Doctor's Degree and Diploma	44
	" " Master's Degree and Diploma	105
		149
II.	Professional Students:	
	Candidates for Bachelor's Degree and Diploma, and for Special Diplomas:	
	For Teaching Biology in Secondary Schools	3
	" " English " " "	42
	" " French " " "	9
	" " Geography " " "	3
	" " German " " "	19
	" " Greek " " "	1
	" " History " " "	23
	" " Latin " " "	7
	" " Mathematics " " "	32
	" " Physical Science in Secondary Schools	9
	" " in Secondary Schools (major not stated)	3
	" " in Elementary Schools	60
	" " in Kindergartens	49
	" " Domestic Art	32
	" " Domestic Science	52
	" " Fine Arts	47
	" " Hospital Economics	13
	" " Manual Training	37
	" " Music	8
	" " Nature Study	2
	" " Physical Education	16
	" Supervising in Kindergartens or Elementary Schools	42
	Candidates for the Bachelor of Science Degree only	22
	Sophomore Year	41
		572
III.	Students not candidates for a Degree or Diploma	23
		744
	Less duplicate counts, students candidates for more than one diploma	21
	Total resident registration	723
IV.	Additional matriculated students, Summer Session, 1906	82
	Net total matriculated students	805*
V.	Extension students registered at Teachers College	1423

In addition to the above there are this year 1003 pupils in the Horace Mann School and 218 in the Speyer School, total 1221.

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* This summary is of primary registrations only, and does not, as heretofore, include Columbia and Barnard students candidates for the Teachers College diploma.

COLLEGE OF PHARMACY

OFFICERS AND TRUSTEES

Nicholas Murray Butler.....*President*
Ewen McIntyre.....*Honorary President*
Charles F. Chandler.....*Vice-President*
William Jay Schieffelin.....*Vice-President*
Herbert D. Robbins.....*Vice-President*

Term expires 1907

Otto P. Amend
Oscar Goldmann
Adolph Henning
Gilbert P. Knapp
Charles H. White

Term expires 1908

William C. Alpers
Max J. Breitenbach
Charles S. Erb
Leo W. Geisler, Jr.
Henry Imhof

Term expires 1909

F. W. Carpenter
Arthur H. Elliott
Thomas P. Cook
Hieronimus A. Herold
Albert Plaut

Clarence O. Bigelow.....*Treasurer*
Thomas F. Main.....*Secretary*
Orange J. Griffin.....*Assistant Secretary*
Harry B. Ferguson.....*Clerk*

OFFICERS OF INSTRUCTION

Officers of the Faculty

Henry H. Rusby, M.D....*Dean and ex-officio Member of the University Council*
Geo. C. Diekman, Ph.G., M.D.....*Secretary*

The Faculty

Nicholas Murray Butler, Ph.D., LL.D., Litt.D. (Oxon.)..*President*
Charles F. Chandler, A.M., Ph.D., M.D., LL.D., Sc.D., *Professor of Organic Chemistry*
Henry H. Rusby, M.D.....*Professor of Materia Medica*
Virgil Coblentz, A.M., Phar.M., Ph.D., F.C.S.....*Professor of Chemistry*

SMITH ELY JELLIFFE, A.M., M.D., Ph.D...*Professor of Pharmacognosy*
GEORGE C. DIEKMAN, Ph.G., M.D.....*Professor of Pharmacy*
JOHN OEHLER, Ph.G.....*Adjunct Professor of Chemistry*
ARTHUR H. ELLIOTT, Ph.D., F.C.S.....*Professor Emeritus of Chemistry*
WILLIAM J. GIES, M.S., Ph.D....*Professor of Physiological Chemistry*
CARLTON C. CURTIS, Ph.D.....*Tutor in Botany*
ANTON VORISEK, Phar.D....*Acting Professor of Analytical Chemistry*

Other Instructors

WM. MANSFIELD, Phar.D. .....*Instructor in Materia Medica*
O.A. MORHOUS, Phar.D.....*Instructor in Analytical Chemistry*
CURT P. WIMMER, Phar.D.....*Instructor in Pharmacy*
FREDERICK A. LESLIE, Phar.D.....*Assistant to the Dean*

Other Officers of Administration

JAMES H. CANFIELD, LL.D., Litt.D.....*Librarian of the University*
FREDERICK P. KEPPEL, A.B.....*Secretary of the University*
RUDOLF TOMBO, Jr., Ph.D.....*Registrar of the University*
FREDERICK A. GOETZE, M.Sc., *Superintendent of Buildings and Grounds*
VIRGIL COBLENTZ, Ph.D.....*Librarian to the College of Pharmacy*
CLARA KERKER...*Custodian of the Library of the College of Pharmacy*

GENERAL STATEMENT

The College of Pharmacy of the City of New York, founded in 1829, chartered in 1831, and recognized in 1879 by the Regents as part of the University of the State of New York, became a member of the educational system of Columbia University on July 1, 1904. The President of the University is *ex-officio* President of the College of Pharmacy, and the College is represented in the University Council by its Dean, who is appointed by the Trustees of the College of Pharmacy on the nomination of the President. The College, however, maintains its separate corporate organization, and its Trustees continue to provide for its financial support.

The College of Pharmacy is thus the professional school of Columbia University for pharmacists and pharmaceutical chemists and, as well, a valuable addition to the University's resources for teaching and research in botany and materia medica.

The following courses of study are offered:

1. A college course consisting of a junior and senior year leading to the degree of Graduate in Pharmacy, conferred by the College independently of the University, and qualifying a graduate to meet any examination for the position of licensed pharmacist. This course is open, according to statute, only to persons holding the Pharmacy Students' Certificate, granted by the State Education Department for 15 Regents' counts or their equivalent. The work undertaken is as

follows: Junior year—physics, general and pharmaceutical chemistry, analytical chemistry, mathematics of pharmacy, practical pharmacy, dispensing pharmacy, botany, pharmacognosy, and physiology. Senior year—organic chemistry, inorganic and organic pharmaceutical chemistry, analytical chemistry, practical pharmacy, dispensing pharmacy, materia medica, toxicology, commercial pharmacognosy, histological pharmacognosy.

2. A University course of 2 years leading to the degree of Pharmaceutical Chemist, conferred by the University. This course is open only to persons holding the Regents' academic equivalent certificate granted for 60 Regents' counts, or the corresponding certificate of Columbia University or of the College Entrance Examination Board. The work undertaken in this course differs from that of the College course in being of a somewhat more advanced character, and in being pursued through the full academic year. Part of this work is performed at the medical department of the University.

3. A third or graduate course of one year, open to pharmaceutical chemists of this or other schools of equal grade or those holding equivalent degrees, leading to the degree of Doctor of Pharmacy. This course is designed to fit graduates for positions as analysts and microscopists, and for making urinary analyses, bacteriological examinations, and performing other work of the kind. It consists of practical work in plant analysis, technical microscopy and bacteriology, quantitative and organic analysis, and lecture courses in the theory and practice of inorganic quantitative analysis, commercial organic analysis and toxicology, and physiological chemistry.

4. A number of special courses of instruction have also been established, partly for the benefit of those regular students who desire, for any reason, to specialize in certain lines of work, and partly to provide instruction in individual departments for those who do not desire to take the full course. Certificates, but not diplomas, are awarded to such students. These special courses of instruction are in pharmacognosy, chemical analysis, advanced inorganic and organic chemistry, and practical pharmacy.

The College is situated at 115 West 68th Street, near Columbus Avenue, in an especially well-equipped building erected in 1894.

Students who are to be examined for admission will be examined either at the Regents' examination, or at the January and September entrance examinations of Columbia University, or of the College Entrance Examination Board, which are held in June of each year. (See pages 152–175.)

Method of Instruction

During the junior and senior years the instruction occupies three days of the week, the alternate days being free for that practical experience in the pharmacy which is required by Boards of Pharmacy.

This arrangement enables students to meet the Board requirements, and it also provides a means of paying the expenses of a majority of students.

Many students, under the advice of the Faculty, prefer to devote the entire time of the second year to college work. For those so desiring, additional instruction is provided.

In addition to lectures and laboratory work a series of recitations or quizzes, by a corps of qualified instructors, is given to the students in small sections.

REGISTER OF STUDENTS

NOTE.—Unless otherwise indicated, registration is from New York City.

JUNIOR CLASS

ALLEN, THOMAS ARTHUR
Metuchen, N. J.
ALPERS, OTTO
ARONSTAMM, ALEXANDER C.
AYERS, CLARENCE A.
Andover, N. J.
BAHR, THEODORE FREDERICK
Jersey City, N. J.
BAKER, VIRGINIA
Middletown, N. Y.
BALSAMO, JOSEPH
BARTH, FRED EMIL
Greenport, N. Y.
BECKER, CHARLES CHRISTIAN
BENDT, GEORGE WILLIAM
BLANCO Y GEIGEL, AGUSTIN
San Juan, Porto Rico.
BLATZ, LOUIS
BLAUER, ISIDORE
BLOCK, ABRAHAM JACOB
BONGARTZ, CARL GOTTFREY
Jersey City, N. J.
BRANDES, HENRY AUGUST
Brooklyn, N. Y.
BRANOWER, GEORGE
BRANOWER, SOLOMON
BREAKEY, ARNOLD STEWART
Mount Vernon, N. Y.
BREUER, NATHAN
BREUNIG, VIOLA ELIZABETH
Newark, N. J.
BROOKS, FRED SMITH
Schroon Lake, N. Y.
BROWNELL, ERWIN JAY
Mexico, N. Y.
BURROUGHS, EDWARD ALLEN
Metuchen, N. J.
BYKOWSKY, HARRY ENDEL
Marlin, Texas.
COLEMAN, BYRAMS EARL
Boonton, N. J.
COOPER, HARVEY ROZELLE
Walden, N. Y.
DALTON, EDWARD ORVILLE
Syracuse, N. Y.
DAVIS, EDWIN MACKEY
Elizabeth, N. J.
DEL VECCHIO, FELIX ANTHONY
Newark, N. J.
DEPUY, JAY JACOB
Ellenville, N. Y.
DRIGGS, KARL HOLCOMB
Sayre, Penn.
EADE, ARTHUR WILLIAM
Newburgh, N. Y.
EGERMAN, JACOB
EIMER, WALTER ROBERT
ESTRADA, ASUNCION,
Cardenas, Cuba.
FEUEREISEN, HAROLD
FINKENBERG, JEROME
FINN, WILLIAM
Dansville, N. Y.
FORMAN, EVA SARAH
Newark, N. J.
GASPARD, CHARLES FRANCIS P.
GESELL, HANS WILLIAM
Weehawken, N. J.
GLATT, CLARENCE BARNS
Whitesboro, N. Y.
GORDON, ANNIE
Mount Vernon, N. Y.
GORDON, ARTHUR HERBERT
Marlboro, N. Y.
HARKAVY, ELIZABETH GERTRUDE
HECKER, JOHN HENRY
Munster, Germany.
HEINE, FREDERICK WILLIAM
HENGGELER, JOHN PETER
Paterson, N. J.
HENRIKSEN, ARTHUR LARS
Brooklyn, N. Y.
HIXSON, MERLIN WILLIAM
HOHMANN, GEORGE
HORNBY, LAURA BEAVERS
Phillipsburg, N. J.
KAUFMAN, LLEWELLYN MERKLE
Kutztown, Penn.
KEMBLE, DAISY EMMA
Brooklyn, N. Y.
KOPEJZNA, JOSEPH ANTO
Astoria, N. Y.
LAMBRIDES, EUTHIMIOS HARALAMBUS
Adana, Asia Minor.

LEVITOW, ISRAEL
LIEBERMANN, LEO
LINDSAY, GEORGE ALLEN
Amsterdam, N. Y.
MCSWEENEY, JENNIE
Long Lake, N. Y.
MAYER, DAVID
Brooklyn, N. Y.
MEEKER, HARRISON SAMUEL
Sussex, N. J.
MORAN, EDWARD JOSEPH
Yonkers, N. Y.
MUSTER, WILLIAM
Paterson, N. J.
OSBORN, EUGENE CHESTER
Davenport, Iowa.
PANEBIANCO, JOSEPH
PEREZ, PEDRO E.
San Domingo, San Domingo.
PISCULLI, DOMINICK MARTOCCI
POLLOCK, SAMUEL
PRECIADO, MANUEL CARLOS
Panama, Panama.
PULLEN, CLIFFORD PHILBRICK
Boothbay Harbor, Maine.
RABINNOVITZ, DAVID
San Carlos, Arizona.
RAMIREZ, FRANK JAVIER, Jr.
Manzanillo, Cuba.
RESNICK, FELIX
RINGLER, ISIDOR FREDERICK
ROES, CHARLES MANGELS
Brooklyn, N. Y.
ROSENBERG, ABRAHAM
ROSSOMANO, DOMINICK ALOYSIUS
Corona, N. Y.
SALINITRO, NICHOLAS
SAVARESE, ANGELO GEORGE
SAVARESE, JOHN GAETANO
SCHWARTZ, DAVID
SCORZA, SALVATORE
SEPPLES, RICHARD JOSEPH
Litchfield, Conn.
SMITH, WILLIAM MCKAY
SNYDER, FRED'K JOHN BENJAMIN
Yonkers, N. Y.
SOBEL, MOSES
Newburgh, N. Y.
STILLER, HENRY HERMANN
STRAEHLER WALTER GOTTFRIED
TEETER, ALBERT ALEXANDER
Plainfield, N. J.
THOMAS, STANLEY WALLACE
Yonkers, N. Y.
TIFFANY, FREDERICK LEROY
Bridgehampton, N. Y.
TOLMACH, MICHAEL
TRUMAN, NATHAN
Bainbridge, N. Y.
TUMAN, MEYER
VERNON, RALPH YOUNG
Florida, N. Y.
WEINBERGER, ISIDORE
WISENDANGER, ESTELLE VAUGHAN
Woodmere, N. Y.

SENIOR CLASS

AHRENS, ARTHUR ADOLPH
Yonkers, N. Y.
ALTMAN, JOSEPH
ANNIS, ROSCOE MILLER
St. Johnsbury, Vt.
ARONSTAMN, JULIUS CHARLES
BALLARD, CHARLES WILLIAM
BLACK, RUSSELL
Tompkinsville, N. Y.
BLIDEN, VICTOR
Brooklyn, N. Y.
BLISS, ANDREW RICHARD, Jr.
Brooklyn, N. Y.
BLUMENBERG, JOHN HERMAN
BRODHEAD, CHARLES WESSALES
BRODSKY, MICHAEL HERMANN
BRONSON, IRWIN PERIN, Jr.
New Haven, Conn.
BROWN, HOWARD PORTER
Swanton, Vt.
BURNS, WILLIAM HENRY
CALDWELL, DANIEL WEIR
Newburgh, N. Y.
COLLICA, SALVATORE
CONRAD, SOLOMON
DALY, GEORGE ALOYSIUS
Little Falls, N. Y.
DAUB, MAX
DEBELLIS, WILLIAM
DECLARK, HOWARD C.
Brooklyn, N. Y.
DELAMATER, WM. GEORGE
DEMARSICO, DOMINICK
DENGLER, HARRY BAKER
Little Falls, N. Y.
DEQUEVEDO, CHARLES G.
DIGIOVANNA, THOMAS
DIPPEL, WALTER HERBERT
Sag Harbor, N. Y.
DOEPFNER, PHILIP
EHRENBERG, SIEGFRIED
EOLIS, ADOLPH DAVID

FEELY, MARTIN JOSEPH
Whitehall, N. Y.
FIGALLO, AGOSTINE
FINK, WILLIAM CHARLES, Jr.
Hudson Heights, N. J.
FRASER, ARTHUR ANDREW
Napanee, Ont., Canada.
GAYNOR, HIRAM K., Jr.
Jersey City, N. J.
GILLMAN, PAUL JEAN
GOLDING, ARTHUR GOUVERNEUR
GOLDWATER, HARRY
GOODWIN, JOSEPH MANNING
Norwalk, Conn.
GORING, HOWARD DOWNING
Wappingers Falls. N. Y.
GUILD, MAX
HAIMBACH, LOUIS PHILIP
West Hoboken, N. J.
HELLER, ARTHUR ARPAD
HEUSS, CHESTER ARTHUR
Ossining, N. Y.
HOFFMAN, FRANK PHILLIP
HORN, NUMAN L.
HULSE, WM. HOWELL
Yonkers, N. Y.
HURLEY, Edward
Red Bank, N. J.
JOST, THEODORE ARTHUR
Mt. Vernon, N. Y.
JUDGE, CHARLES GEORGE
L. I. City, N. Y.
JURGENSEN, KARL HENRY JOHN
Astoria, N. Y.
KEATING, WILLIAM FRANCIS
KIRKENDALL, RALPH CONNER
Berwick, Penn.
LAMOUREE, JOHN EDWIN
Tuxedo Park, N. Y.
LAZAROFF, ISAAC
Jaffa, Palestine, Asia.
LEOPOLD, CHARLES HENRY
LIBERTONE, ANDREW
New Brighton, N. Y.
LIPSKY, HYMAN
Brooklyn, N. Y.
LOEWENSTEIN, LOUIS HERMAN
LOPEZ, ANGEL MARIA
Ciora, Porto Rico.
LOZIER, MERRITT WILSON
Newburgh, N. Y.
MAFFAY, JOHN BROWNEY
MARR, WADE HAMPTON
North Bridgton, Maine.
MASHIN, ANTHONY
Brooklyn, N. Y.
MEDINA Y MEDINA, YGNACIO
Valladolid de Yucatan, Mex.
MEIER, WILLIAM ULYSSES
Butler, N. J.
MILLER, HENRY S.
Kinderhook, N. Y.
MOTSARD, SAMUEL EMMANUEL
NELSON, WM. ALBERT
Perth Amboy, N. J.
NEWCOMB, HARRY ARTHUR
Tolland, Conn.
OBERLE, HENRY EDWARD
ORDMANN, LOUIS
PETROLO, FRANK
PLUM, FRED
Bellefontaine, Ohio.
RAMSEY, HARRY ARTHUR M.
REISS, JACOB
RATNER, DAVID
RESLER, ALTER SIEGMUND
RICCARDI, VICTOR HENRY
RITTER, CLARENCE JOHNSON
Yonkers, N. Y.
ROBINSON, MATTHEW HENRIETTA
Elizabeth, N. J.
ROKACH, MORRIS MAX
RUSSIN, URIEL
RUTHS, GEORGE
SAMARELLI, HENRY
SAMUELSON, MEYER JOSEPH
SCHMIDT, ERNEST CHAS. WM.
SCHMIDT, FRED CHARLES
Union Hill, N. J.
SCHWARTZ, HENRY
SELLARO, SALVATORE
SLADE, EBEN ELLSWORTH
Whitesville, N. Y.
SMITHLINE, HERMAN
STEEN, EDWARD DANIEL
Highland Falls, N. Y.
STERRITT, REUBEN WASHBURNE
Ossining, N. Y.
SUHR, LOUISE SALINE
West Hoboken, N. J.
SULLIVAN, JOHN FRANCIS
Utica, N. Y.
SYKES, SAMUEL ROY
Paterson, N. J.
TEITELBAUM, HARRY
Union Hill, N. J.
TOWNER, WILLIAM ARTHUR
Brewster, N. Y.
TWIGGAR, LEE WALTER
Ossining, N. Y.
TWISS, DONALD CRAIG
Ilion, N. Y.
VALLIERE, OSWALD JOSEPH
VELLONE, JOSEPH ANTHONY
WARD, MARSHALL HASKIN

Weir, Horace Garner
Springfield, Ohio.

Wray, Pinkney Covington
Martinsville, Va.

Graduate Course

Ahrens, J. George
Yonkers, N. Y.
Ashton, Wm. Daniel
Piqua, Ohio.
Backes, John Joseph
Basson, Bernard Noah
Jersey City, N. J.
Bimstein, Morris
Boeder, Leo
Bonnyman, Alexander McPeek
Warwick, N. Y.
Bradtke, Frank George
Brown, Arthur Creuse
Crolly, Theodore Alexander
Mt. Vernon, N. Y.
Faiella, Harry Edward
Gaul, William Henry
Yonkers, N. Y.
Haman, Charles J.
Holzhauer, Charles Wm.
Newark, N. J.
Hopkins, Henry Trubx
Keyport, N. J.
Hunt, Sydney Kirby
Middletown, N. Y.
Jacobs, Samuel
Paterson, N. J.
Karp, Samuel E.
Scranton, Penn.
Kennedy, Walter Scott
Woodbridge, Conn.
Klein, William
Kobrick, George
Krause, George William
Krepela, Charles
Levinsohn, Alexander
Mackey, James Campbell
Paterson, N. J.
Milne, Edward Horrace
Newark, N. J.
Nevin, James V. McGrath
Phelps, Charles Edward
Middletown, N. Y.
Pra, Peter Angelo R.
Passaic, N. J.
Schenck, Charles Alexander
Mt. Vernon, N. Y.
Scheuer, Joseph Sidney
Berryville, Va.
Schlegel, John William
Schmadel, Robert Charles
Stechmann, Oscar H. W. A.
Jersey City, N. J.
Stein, Charles Morris
Stuft, Otto
Taborelli, Ernest Thomas
Thode, Eide Frederick
Trivigno, John
Weaver, Thomas Astley
Plainfield, N. J.
Zimmerman, John Theodore
Zlinkoff, Henry

SUMMER SESSION

1906

ADMINISTRATIVE BOARD

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.)
President of the University, Professor of Philosophy and Education

JAMES EARL RUSSELL, Ph.D.
Barnard Professor of Education, Dean of Teachers College

JAMES CHIDESTER EGBERT, Ph.D.
Professor of Roman Archæology and Epigraphy, Director of the Summer Session

FREDERICK PAUL KEPPEL, A.B.
Secretary of the University

RUDOLF TOMBO, Jr., Ph.D.
Adjunct Professor of Germanic Languages and Literatures, Registrar of the University

OFFICERS OF INSTRUCTION

In the University Faculties and Schools

Professors—BIGELOW, BONSER, BURTON-OPITZ, COHN, EGBERT, FARNSWORTH, GIDDINGS, HALLOCK, HERVEY, JACKSON, KASNER, KEYSER, LOISEAUX, MACLAY, MCCREA, MAYER, MEYLAN, MILLER, MOSES, ODELL, H. C. SHERMAN, SNEDDEN, A. H. THORNDIKE, TOMBO, TUFTS, VULTÉ, WOODWORTH.

Instructors—BRAUN, Miss CRAWFORD, JORDAN, Miss KIRCHWEY, MONTAGUE, NOYES, REMY, SKARSTROM, STRAYER, WEICK, Miss WEISER.

Tutors—BEANS, CHAMBERS, HEUSER, JOÜET.

Lecturer—CALDWELL.

Assistants—Miss BENTON, J. A. DAVIS, THATCHER.

Other Officers of Instruction

HERBERT VAUGHAN ABBOTT, A.B., *Education;* MARY G. ALLERTON, *Physical Education;* HERMAN V. AMES, Ph.D., *History;* CHESHIRE LOWTON BOONE, *Manual Training;* EARLE WILBUR DOW, A.B., *History;* JOHN ERSKINE, Ph.D., *English;* FRANK ALBERT FETTER, Ph.D.,

Economics; Mellen Woodman Haskell, Ph.D., *Mathematics*; Ernest Norton Henderson, Ph.D., *Education;* George Holston, *Drawing;* George Edwin Howes, Ph.D., *Greek;* Edwin Asbury Kirkpatrick, Ph.M., *Psychology;* George Kriehn, Ph.D., *History of Art;* Frank Gardner Moore, Ph.D., *Latin;* Henry Snyder, A.M., *Education;* Frank Thilly, Ph.D., *Philosophy.*

Assistants

Frank G. Bruner, *Psychology;* George Christian Otto Haas, *English;* George Thomas Holm, *Swimming;* Frances Jenkins, *Education;* Joseph Lipke, *Mathematics;* Arthur Julius Mettler, *Chemistry;* Harvey A. Seil, *Chemistry;* Caroline Stackpole, *Nature Study;* J. LeRoy Stockton, *Education;* Anna F. Strickland, *Physical Education*; Clara Wheeler, *Education*; Roland Hugh Williams, *Chemistry;* L. E. Woodman, *Physics;* Mary Woods, *Manual Training.*

GENERAL STATEMENT

The seventh Summer Session of the University opened July 5, 1906, and closed August 16. The registration days for the Summer Session were July 2, 3, and 5. Examinations for certificates were held on August 16.

Courses were offered to men and women on equal terms, in chemistry, domestic science, drawing, economics, education, English (including rhetoric and composition), fine arts, geography, German, Greek, history, Latin, manual training, mathematics, mineralogy, music, nature study, philosophy, physical education, physics, physiology, psychology, Romance languages, and sociology.

Each course consisted of thirty lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees or for diplomas in teaching is given upon the satisfactory completion of the course, including the final examination.

The tuition fee for the Summer Session is $30, which covers courses of instruction aggregating six points credit, the limit allowed by the regulations.

Fees

(See page 26)

For the *Announcement* of the Summer Session of 1907, which will open July 9 and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address the Secretary of Columbia University, New York.

Summer Courses in Medicine

The fourth series of Summer Courses in Medicine for men was offered in 1906. Courses were given in applied therapeutics, clinical pathology

dermatology, genito-urinary diseases, gynecology, laryngology, medical diagnosis, neurology, obstetrics, ophthalmology, orthopedic surgery, otology, surgery, and technique of microscopic pathology.

This work will be continued in the summer of 1907, and persons interested are requested to apply for the *Announcement* of the Summer Courses in Medicine, which will be furnished without charge upon application after February 1 to the Secretary of the University.

Registration Session of 1906

Copies of the separately printed *Directory of the Summer Session, 1906* may be had upon application to the Secretary of the University. In this catalogue, at the end of the Register of Students under each Faculty, will be found a list of the Summer Session students of 1906 who matriculated under that Faculty, but who did not return to register in September.

SUMMARY

I.	Non-matriculated	573
II.	Matriculated:	
1.	Columbia College	62
2.	Barnard College	18
3.	Applied Science	70
4.	Architecture	5
5.	Medicine	1
6.	Political Science, Philosophy, and Pure Science	162
7.	Teachers College	119
		1010
Medical Summer Session:		
1.	Non-matriculated	13
2.	Matriculated	20
	Total	1043

EXTENSION TEACHING

ADMINISTRATIVE BOARD

James Earl Russell, LL.D.,
Dean of Teachers College, Chairman

Adolphe Cohn, LL.B., A.M.,
Professor of the Romance Languages and Literatures

Franklin Thomas Baker, A.M.,
Professor of the English Language and Literature

Herbert Gardiner Lord, A.M.,
Professor of Philosophy

Frederick Henry Sykes, Ph.D.,
Professor of English, Director of Extension Teaching

OFFICERS OF INSTRUCTION

In the University Faculties and Schools

Professors—Hamlin, Jackson, Cohn, Hallock, Clark, Speranza, Baker, Parker, Dodge, Biklé, McMurry, Monroe, Dutton, Crampton, Thorndike, Farnsworth, Smith, Wood, Brewster, Page, Knapp, Woodbridge, Bagster-Collins, Sykes, Loiseaux, Hervey, Tombo, Stoughton, McWhood, Spingarn, Dow, Shepherd, Tufts, Shotwell.

Instructors—Jordan, Remy, Norsworthy, Noyes, Skarstrom, Crawford, Kirchwey, Van Arsdale, Bargy, Ling, Montague, Krapp, Strayer, Sage, Cooley, Curtis, Braun, Marple.

Tutors—Fitz-Gerald, Muller, Heuser, McRae, Day, Goodsell, Maxon.

Lecturers—Hodge, Beard, Haworth, Richard, Wissler.

Assistants—Schenck, Zerbe, Bigongiari, Upton, Abbott, Benton, Wheelock, Thatcher, Galwey.

Other Officers of Instruction

James Hulme Canfield, A.M., LL.D., *History;* Clyde Furst, A.M., *English Literature;* Thomas Whitney Surette, *Music;* Mari Ruef Hofer, *Music;* Daniel Gregory Mason, A.B., *Music;* Clayton

M. Hamilton, A.M., *English;* Anna Barrows, *Domestic Science;* Charles Johnston, *History;* Marion B. B. Langzettel, *Kindergarten Education;* Ada M. Locke, *Kindergarten Education;* Arthur Alexander Stoughton, Ph.D., *Architecture;* Calvin Brainard Cady, *Music.*

GENERAL STATEMENT

1. Extension Teaching is defined by the Statutes of the University as instruction given by University officers and under the administrative supervision and control of the University, either away from the University buildings or at the University, for the benefit of students not able to attend the regular courses of instruction.

Extension Teaching is under the immediate supervision of an Administrative Board and the Director of Extension Teaching. The relation of Extension Teaching to the other work of the University is subject to the jurisdiction of the University Council.

Extension Teaching facilitates and directs instruction for students not in academic residence by means of various courses of instruction given at special times and places, both at the University and elsewhere. The University thus offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue some subjects included in a liberal education and to make progress, if they so desire, towards a diploma in teaching or an academic degree.

2. Subject to the general authority of the University Council, the weight to be attached to attendance upon an Extension course on the part of a student who subsequently makes application to be admitted to candidacy for a degree or diploma is fixed by the appropriate Faculty or Administrative Committee.

COURSES OF INSTRUCTION

The courses of instruction offered in Extension Teaching are of two kinds:

Credit Courses, *i. e.*, courses that are credited by the Faculties concerned, or by the University Council, towards the fulfilment of the requirements for degrees and diplomas.

Lecture Courses, *i. e.*, short courses of lectures which are not accepted towards the fulfilment of requirements for degrees and diplomas.

Students attending courses at the University pay usually at the rate of $10 for each course of one hour a week for thirty weeks. In local centres they pay the fee determined by the local centre. Courses given in local centres usually cost the centre from $260 to $500 for a credit course, and $90 to $150 for a lecture course, the difference depending on the difficulty of the course and the rank of the lecturer.

For detailed information as to the places and hours for these courses both at the University and at the several local centres, the qualifications for admission, the regulations for registration, candidacy for degrees and diplomas, attendance and examinations, the fees prescribed, and for a statement of each course offered, see the *Announcement of Extension Teaching, 1906–07*, which may be obtained without charge upon application to the Secretary of the University.

Credit Courses

For 1906–07 credit courses are offered to non-matriculated students and to matriculants who obtain permission of their dean, as follows:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Anthropology	1	Manual Training	3
Architecture	1	Mathematics	5
Biblical Literature	2	Music	10
Botany	2	Philosophy	2
Comparative Literature	1	Physical Education	3
Domestic Science	1	Physical Science	2
Education	4	Physics	2
English	12	Political Science	1
Fine Arts	2	Psychology	1
Geography	1	Romance Languages (French 5, Italian 1, Spanish 1)	7
German	6		
History	4		
Kindergarten Education	4		

The following non-credit courses are likewise offered at the University:

Domestic Art	6	Domestic Science (One course in five sections)	2

Lecture Courses

For 1906–7 the following lecture courses, each having usually six lectures, are offered for delivery in local centres:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Anthropology	1	Latin	1
Architecture	6	Manual Arts	1
Astronomy	4	Metallurgy	1
Biblical Literature	4	Music	17
Comparative Literature	2	Philosophy	4
Domestic Science	4	Physics	3
Education	3	Political Science	1
English	21	Psychology	4
Fine Arts	3	Romance Languages (French 7, Italian 1, Spanish 2)	10
Geography	6		
German	7		
History	11	Zoölogy	2
Indo-Iranian	4		

UNIVERSITY BIBLIOGRAPHY

FOR THE ACADEMIC YEAR ENDING JULY 1, 1906

I. Official Publications of Columbia University

Unless otherwise stated, all the publications named below are distributed without charge upon application to the Secretary of Columbia University.

Annual Catalogue: See Table of Contents, pages iii–ix. Issued each December. Price 25 cents.

Annual Reports of the President and the Treasurer to the Trustees: issued each November.

Directory of Officers and Students: issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication; revised and a second edition printed complete.

General Catalogue of the Alumni: issued sextennially; contains the names and addresses of all graduates of the University. The current edition is that of 1906. Price, $2.00. For sale at the University Press Bookstore and in the office of the Registrar.

Announcements of the various parts of the work of the University are issued in the spring of each year and contain detailed information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

Columbia College, for the work for men leading to the degree of Bachelor of Arts.

School of Law, for the work leading to the degree of Bachelor of Laws.

College of Physicians and Surgeons, for the work leading to the degree of Doctor of Medicine.

College of Pharmacy, for the work leading to appropriate degrees and certificates.

Schools of Applied Science, together with the special announcements of the courses in Mining and Metallurgy, in Chemistry, and in Civil, Electrical, and Mechanical Engineering.

Faculties of Political Science, Philosophy, and Pure Science, for all non-professional advanced work leading to the degrees of Master of Arts and Doctor of Philosophy.

Faculty of Fine Arts, including courses given in the School of Architecture, the School of Music, the School of Design, and in the Departments of Fine Arts and Music in Teachers College, and courses in allied subjects.

Extension Teaching, Residence Halls, Summer Sessions.

Summer Courses in Medicine and in Surveying.

Circular of Information as to Entrance Examinations.

Circular of General Information, with views of the University buildings.

Student Organizations, Athletic and Other, under the supervision of the Comptroller of Student Organizations.

Announcements of the several divisions of the University are issued in the spring, and contain full information concerning the work of the coming year, or years, in those divisions. These circulars are devoted to Biology; Classical Philology; Geology, Geography, and Mineralogy; History, Economics, and Public Law; Mathematical and Physical Science; Modern Languages and Literatures; Physical Education; Oriental Languages; Philosophy, Psychology, and Anthropology.

Publications of Barnard College:

Announcement of Barnard College: contains full information concerning admission, expenses, courses of instruction, and requirements for the degree of Bachelor of Arts.

Report of the Dean: issued yearly.

These publications are distributed without charge upon application to the Secretary of Barnard College.

Publications of Teachers College:

Announcement of Teachers College: issued annually; contains full information concerning the organization, equipment, and work of this institution, the Department of Education of Columbia University.

Report of the Dean: issued each November.

Special Circulars describing the work of the departments of:

Educational Psychology, History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, Physical Education, Kindergarten, Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and of other departments.

These may be obtained without charge upon application to the Secretary of Teachers College.

Special **Announcement of Extension Teaching,** and **Syllabi of Extension Courses,** a list of which may be had by addressing the Director of Extension Teaching, Teachers College.

Circular of the Horace Mann

School; a school fully equipped with kindergarten, elementary, and secondary classes, maintained by Teachers College as a school of observation.

This circular may be obtained without charge upon application to the Superintendent of the Horace Mann School.

Publications of the College of Pharmacy:

Announcement of the College of Pharmacy, issued annually; contains full information concerning the organization, equipment, and work of this institution.

II. The Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of Columbia College and was incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, related directly to Columbia University by the provisions that its Trustees must always be officers of the University, and that the President of the University shall be the President of the Press.

Trustees

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)
WILLIAM H. CARPENTER, *Secretary*
JOHN B. PINE, *Treasurer*

Professors MATTHEWS, G. R. CARPENTER, GIDDINGS, PRUDDEN, CROCKER, OSBORN, and PECK

During the year ending July 1, 1906, the Press, through the Macmillan Co., of New York and London, its publishing agents, issued: Civil War and reconstruction in Alabama. By WALTER L. FLEMING. 1905. 23+815 pp., il. por. pl.——Efficiency and relief; a programme of social work. By EDWARD T. DEVINE. 1906. 8+45 pp.——The dynamics of living matter. By JACQUES LOEB. 1906. 11+233 pp.; and issued numbers of the following:[1]

Biological Series; Studies in Classical Philology; Geological Series; Germanic Studies; Studies in History; Indo-Iranian Series; Sociology; *Columbia University Quarterly*, and *Teachers College Record*.

III. Publications, Contributions, and Serial Studies from the University[2] with Date of Foundation

Unless otherwise indicated these are published by the editor from Columbia University; the Press publications through the Macmillian Co. When prices are not given they may be had on application.

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[1] For previous issues from the Press see the *University Catalogue* for 1899–1900, pages 398–399; 1900–1901, pages 455–456; 1901–1902, pages 439–441; 1902–1903, pages 445–449; 1903–1904, pages 439–443; 1904–1905, pages 465–470; 1905–1906, pages 440–444; and the full catalogue issued by The Macmillan Co.

[2] For purposes of record and information, it is the aim to publish each year a complete list of the numbers issued in each of these series during the preceding academic year. If no list appears under a given heading, it may be assumed that no numbers were issued.

Biological Series.—1892: managing editors, H. F. Osborn and E. B. Wilson; Columbia University Press, about one volume a year; per volume (from 300 to 400 pages), $2.00 to $3.50.

Vol. VIII. The dynamics of living matter. By JACQUES LOEB. 1906. 11+233 pp.

Botanical Club, Memoirs of the Torrey.—1889; published by the Club; $3.00 per volume.

Vol. XII, No. 2. A contribution to a revision of the North American Hydnaceæ. By H. J. BANKER.——Vol. XIII. Species and variations of Biotian Asters, with discussion of variability in *Aster*. By E. S. BURGESS. 1906. 15+419 p. 13 ppl.

Botany, Contributions from the Department of.—1886; short papers, in part reprints; editor, L. M. Underwood; per volume (about 330 pages, 30 plates), $5.00.

No. 220. The artificial induction of leaf formation in the Ocotillo. By FRANCIS E. LLOYD. (1905.)——No. 221. The genus Alcicornium of Gaudichaud. By LUCIEN MARCUS UNDERWOOD. (1905.)——No. 222. The genus Stenochlaena. By L. M. UNDERWOOD. (1906.)——No. 223. The species of Lycopodium of the American tropics. By L. M. UNDERWOOD and F. E. LLOYD. (1906.)——No. 224. The genus Vernonia in the Bahamas. By HENRY ALLAN GLEASON. (1906.)——No. 225. American ferns—VI: Species added to the flora of the United States from 1900 to 1905. By L. M. UNDERWOOD. (1906.)——No. 226. Some new or otherwise noteworthy plants from the coastal plain of Georgia, By ROLAND M. HARPER. (1906.)——No. 227. Cytological changes accompanying secretion in the nectar-glands of Vicia Faba. By CHARLES RUPERT STOCKARD. (1906.)——No. 228. A study of synapsis and reduction. By IRA D. CARDIFF. (1906.)

Botany, Memoirs of the Department of.—1895; more extended monographs; editor, L. M. Underwood; $6.00 per volume; list on application.

Chemistry, Contributions from the Havemeyer Laboratories.—1898; reprints of papers recording research by officers and students in the School of Chemistry; managing editor, C. F. Chandler; issued annually; price on application.

Vol. VIII, No. 107. The condensation of succinylosuccinic acid diethyl ester with gaunidine, a derivative of 1, 3, 5, 7-naphtotetrazine, a new heterocycle. By MARSTON TAYLOR BOGERT and ARTHUR WAYLAND DOX.——No. 108. Comparative experiments upon chemical preservatives in milk. By H. C. SHERMAN, A. W. HAHN, and A. J. METTLER.——No. 109. Some acyl derivatives of momoanthranilic nitrile, and the 7-methyl-4-ketodihydro-quinazolines prepared therefrom. By MARSTON TAYLOR BOGERT and ALFRED HOFFMAN——No. 110. The condensation of succinylosuccinic acid, diethyl ester with acetamidine: 2,6-dimethyl-4, 8-dihydroxy-9, 10-dihydro- 1, 3, 5, 7-naphtote trazine. By MARSTON TAYLOR BOGERT and ARTHUR WAYLAND DOX.——No. 111. The synthesis of 2-methyl-5-nitro-4-ketodihy droquinazolines from 6-natroacetanthranil and primary amines. By MARSTON TAYLOR BOGERT and HARVEY AMBROSE SEIL.——No. 112. Some experiments upon the nitro derivitives of fluorescein. By MARSTON TAYLOR BOGERT and RALPH GARRIGUE WRIGHT.——No. 113. The synthesis of 7-nitro-2-alkyl-4-ketodihydroquinazolines from 4-nitro acetanthranilic acid, and from 4-nitroacetanthranil. By MARSTON TAYLOR BOGERT and S. H. STEINER ——No. 114. The combination of a solvent with the ions. By J. LIVINGSTON R. MORGAN and C.W. KANOLT. No. 115. The constitution of quinine. By BENJAMIN L. MURRAY.——No. 116. The detection, determination and rate of disappear-

ance of formaldehyde in milk. By R. H. WILLIAMS and H. C. SHERMAN.——No. 117. On 5-amino-4-keto-dihydroquinazolines and 5-amino-2-methyl-4-keto-dihydroquinazoline. By M. T. BOGERT and V. J. CHAMBERS.——No. 118. Proteolysis in cows' milk preserved by means of formaldehyde. By W. G. TICE and H. C. SHERMAN.——No. 119. Some observations on the preparation of metallic calcium by electrolysis. By S. A. TUCKER and J. B. WHITNEY.——No. 120. The osazone test for glucose and fructose as influenced by dilution and by the presence of other sugars. By H. C. SHERMAN and R. H. WILLIAMS.——No. 121. On 4-amino-dimethyl-orthophthalate and certain of its acyl derivatives. By M. T. BOGERT and R. R. RENSHAW.——No. 122. The preparation of boron carbide in the electric furnace. By S. A. TUCKER and H. J. W. BLISS.

Classical Philology, Studies in.—1902; results of original research in the classical languages and literatures; edited by H. T. Peck and E. D. Perry; Columbia University Press.

Comparative Literature, Studies in.—1899; results of literary research or criticism; editors J. B. Fletcher and J. E. Spingarn; Columbia University Press. Eight volumes have already been published, and others are in preparation.

Education, Columbia University Contributions to.—1905; A series of monographs published by Teachers College, continuing the educational numbers of the Columbia University Contributions to Philosophy, Psychology, and Education; consist of dissertations for the Doctor's diploma and degree and works of a similar character; four or five numbers per year; 100–200 pp. and over.

No. 1. Normal School Education and Efficiency in Teaching. JUNIUS LATHROP MERIAM, Ph.D. Price, 75 cents, net.——No. 2. General Taxation for Education and the Apportionment of School Funds. ELLWOOD P. CUBBERLEY, Ph.D. Price, $1.50, net.——No. 3. The rise of Local School Supervision in Massachusetts. HENRY SUZZALLO, Ph.D. Price, $1.00, net.——No. 4. The Educational Theories of Herbart and Froebel. JOHN ANGUS MACVANNEL, Ph.D. Reprinted from "Teachers College Record," 1905. Price, 75 cents, net.——No. 5. City School Expenditures. GEORGE DRAYTON STRAYER, Ph.D. Reprinted from "Teachers College Record," May, 1905. Price, 75 cents, net.——No. 6. Some Fiscal Aspects of Public Education in American Cities. EDWARD E. ELLIOTT, Ph.D. Reprinetd from "Teachers College Record," Nov., 1905.

Educational Reprints, Columbia University.—1906; published by Teachers College.

No. 1. Report of the Massachusetts Commission on Industrial and Technical Education.

Electrical Engineering, Contributions from the Department of.—1889; papers (chiefly reprints) by officers and students; managing editor, F. B. Crocker.

English, Studies in.—1900; issued by authority of the Department of English; Columbia University Press.

Geological Department, Contributions from the.—1892; include short contributions and longer monographs; managing editor, J. F. Kemp:

Volume XII, No. 107. (a) The copper deposits at San José, Tamaulipas, Mexico. By JAMES F. KEMP. (b) Platinum and palladium in certain copper ores. By THOMAS T. READ. (c) Secondary enrichment in ore-deposits of copper. By JAMES F. KEMP. (d) Effect of various hone-stones on edges of steel tools. By ALEXIS A. JULIEN.——No. 108. (a) Geological book-keeping. By JAMES F. KEMP. (b) The American law relating to minerals. By CHARLES H. SHAMEL.——No. 109. (a) The petrography of the amphibolite, serpentine, and associated asbestos deposits of Belvidere Mountain, Vermont. By V. F. MARSTERS. (b) The phase rule and conceptions of igneous magmas. Their bearing on ore deposition. By THOMAS F. READ. (c) Analcite-trachyte tuffs and breccias from Southwest Alberta, Canada. By C. W. KNIGHT. (d) The Mojave mining district of California. By CHARLES E. W. BATESON.——No. 110. (a) The Atlantic Highlands section of the New Jersey cretacic. By JOHN K. PRATHER. (b) Glauconite. By JOHN K. PRATHER. (c) A new lower tertiary fauna from Chappaquiddick Island, Martha's Vineyard. By THOMAS C. BROWN.

Volume XIII, No. 111. Geology of the Paradox Lake quadrangle, New York. By IDA H. OGILVIE.——No. 112. (a) The pleistocene formations of Sankaty Head. Nantucket. By J. HOWARD WILSON. (b) Studies on early stages in paleozoic corals, By C. E. GORDON.——No. 113. (a) The problems of the metalliferous veins. By JAMES FURMAN KEMP. (b) Petrography of the eruptive rocks and ores at Goldfield, Nevada. By CHARLES P. BERKEY.——No. 114. (a) Srtatigraphy of the Uinta Mountains. By CHARLES P. BURKEY. (b) The physiography of the Adirondacks. By JAMES FURMAN KEMP.——No. 115. The occlusion of igneous rock within metamorphic schists, as illustrated on and near Manhattan Island, New York. By ALEXIS A. JULIEN.——No. 120. Geology of Pioche, Nevada, and vicinity, and Cambric fossils from the Pioche Mountains. By FRED JAMES PACK.——Numbers not yet assigned to the following:—

Guide to the geology and paleontology of the Schoharie Valley in Eastern New York. By AMADEUS W. GRABAU.——The high altitude conoplain ; a topographic form illustrated in the Ortiz Mountains. By IDA H. OGILVIE.——A new occurrence of pseudoleucite. By C. W. KNIGHT. The re-formation of soda-leucite. By T. T. READ and C. W. KNIGHT.——The paleography of Saint Peter's time. By CHARLES P. BERKEY.—Columbia field work in 1905: Intercollegiate field courses in geology. By THOMAS C. BROWN.

Germanic Studies.—1899; results of original research in Germanic languages and literatures; Editors, W. H. Carpenter and Calvin Thomas; Columbia University Press.

Vol. II, No. 3. Edward Young in Germany. By JOHN LOUIS KIND. 14+186 pp. 1906.——Vol. III, No. 1. Hebbel's Nibelungen, its sources, method, and style. By Annina Periam. 14+220 pp. 1906.

History, Economics, and Public Law, Studies in.—1891; results of original research by students in the School of Political Science; managing editor, E. R. A. Seligman; Columbia University Press; one volume or more issued yearly; price per volume $3.00 to $4.50.

Vol. XXIV, No. 1. The place of magic in the intellectual history of Europe. By EVERETT LYNN THORNDIKE. 1905. 111 pp.——No. 2. The ecclesiastical edicts of the Theodosian code. By WILLIAM K. BOYD. 1905. 123 pp.——No. 3. The international position of Japan as a great power. By SEIJI G. HISHIDA. 1905. 291 pp.

Indo-Iranian Series.—1900; work in the Indo-Iranian Languages; editor, A. V. Williams Jackson; Columbia University Press.

A bibliography of the Sanskrit drama, with an introductory sketch of the dramatic literature of India. By MONTGOMERY SCHUYLER, JR. 1906. 11+105 pp.

Library Bulletins.—Founded in 1897 as **Publications**; show the resources of the Library on various subjects; editor, C. Alex. Nelson; published by the Library.

Mineralogy, Contributions from the Department of.—1892; articles and text-books by officers and students; managing editor, A. J. Moses.

Observatory, Contributions from the.—1892; astronomical researches; managing editor, Harold Jacoby.

Oriental Studies.—1902; results of original research in the Oriental languages and literatures; edited by Richard J. H. Gottheil; Columbia University Press.

Pathology, Studies from the Department of.—1890; results of research in the department; managing editor, T. M. Prudden; on sale by J. T. Dougherty, New York; price per volume (about 175 pp.), $1.00.

Philosophy and Psychology, Contributions to.—1894; original studies by officers and students; edited by a committee representing the departments interested. The Science Press; per number, average, 75c.; per volume (about 450 pages), average, $3.00.

Vol. X, No. 4. Avenarius and the standpoint of pure experience. By WENDELL T. BUSH. 4+79 pp. 1905.——Vol. XIII, No. 3. Measurements of twins. By EDWARD L. THORNDIKE. 7+64 pp. 1905.——No. 4. The psychology of association. By FELIX ARNOLD. 5+80 pp. 1906.——Vol. XIV, No. 1. The psychology of reading. By WALTER F. DEARBORN. 134+1 pp. 1906.——No. 2. The measurement of variable quantities. By FRANZ BOAS. 4+52 pp. 1906.——No. 4. The time of perception as a measure of differences in sensations. By VIVIAN ALLEN and CHARLES HENMON. 75 pp. 1906. Vol. XV, No. 1. Linguistic lapses with especial reference to the perception of linguistic sounds. By FREDERIC LYMAN WELLS. 110 pp. 1906.

Philosophy, Psychology, and Scientific Methods, Archives of.—1905; edited by F. J. McKeen Cattell and J. E. Woodbridge; New York; The Science Press; per volume (600–700 pages), $5.00.

Volume I, No. 1. Measurements of twins. By EDWARD L. THORNDIKE 7 + 64 pp. 1905.——Avenarius and the standpoint of pure experience. By WENDELL T. BUSH. 4+79 pp. 1905.——No. 3. The psychology of association. By FELIX ARNOLD. 5+80 pp. 1906.——No. 4. The psychology of reading. By WALTER F. DEARBORN. 134+1 pp. 1906.——No. 5. The measurement of variable quantities. By FRANZ BOAS. 4+52 pp. 1906.——No. 6. Linguistic lapses, with especial reference to the perception of linguistic sounds. By FREDERIC LYMAN WELLS. 110 pp. 1906.

Physiological Chemistry—Biochemical Researches: Collected Reprints of Publications from the Laboratory of.—1899; results of research in the department; managing editor, William J. Gies; price per volume (of 700–800 pages), $5.00.

Romance Philology and Literature, Studies in.—1900; edited by Adolphe Cohn and H. A. Todd; Columbia University Press.

Series Announced

Physiology, Studies from the Department of.—1900; reprints of

articles published by officers and students of the department; edited by J. G. Curtis and F. S. Lee. (Three volumes in preparation.)

IV. Journals

Issued under the Editorial Direction of Officers of Columbia University

Bookman.—1895; criticism of American and foreign literature; articles, book reviews, correspondence, and editorial comment upon current events; edited by Harry Thurston Peck; New York: Dodd, Mead, & Co.; monthly (136 pp.), 20c.; per year, $2.00.

Bulletin of the Torrey Botanical Club.—1870; devoted to scientific botany in its widest sense; associate editors, T. E. Hazen and H. M. Richards; published by the Club monthly, 30c.; per year (about 650 pp., with 40 plates), $3.00.

Charities.—1897; devoted to local and general philanthropy; editor, Edward T. Devine; Charity Organization Society; weekly, 5c.; monthly, 10c.; per year (about 600 pages), $2.00.

Columbia University Quarterly.—Continuing, since 1898, the **Bulletin,** founded in 1890; publishes articles on the history, the current activities, and the policy of Columbia University, for the information of its officers, alumni, and friends; edited by a committee (managing editor for 1906, R. Tombo, Jr.); Columbia University Press; quarterly (125 pages), with occasional supplements, 30c.; per year, $1.00.

Economic Geology; with which is incorporated the American Geologist.—1905; devoted to geology as applied to mining and allied industries; J. F. Kemp, associate editor; Economic Geology Pub. Co., Lancaster, Pa.; semi-quarterly; 50c.; per year, $3.00.

Educational Review.—1891; devoted to the study of education in all its forms; containing articles, discussions, book reviews, foreign correspondence, and editorial review of current events; edited by Nicholas Murray Butler; New York: Educational Review Publishing Co.; monthly, except July and August (108 pp.); per year, $3.00; foreign, $3.50.

Journal of Geography.—1902; devoted to the interests of teachers of geography in elementary, secondary, and normal schools; edited by Richard E. Dodge; published at Teachers College monthly, except July and August (48 pp.), 20c.; per year, $1.50.

Journal of Nervous and Mental Disease.—1872; devoted to the study of diseases of the nervous system; managing editor, S. E. Jelliffe; advisory board of editors includes M. A. Starr and F. Peterson; Alliance Press Co.; monthly (80 pp.), 50c.; per year, $5.00.

Journal of Philosophy, Psychology, and Scientific Methods.—1904; short articles, reports, discussions, abstracts, and reviews in the field of scientific philosophy and psychology; edited by Frederick J. E. Woodbridge; The Science Press; bi-weekly (28 pp.), 15c.; per year, $3.00.

Medical News.—1843; devoted to advances in medicine and surgery; editor, S. E. Jelliffe; New York: Lea Brothers & Co.; weekly (48 pp.), 10c.; per year $4.00.

Nature-Study Review.—1904; devoted to all phases of nature-study in schools; editor, Maurice A. Bigelow; J. F. Woodhull on editorial committee; Geneva, N. Y.; (9 monthly numbers) 15c.; per year, $1.00.

Political Science Quarterly.—1886; devoted to the study of politics, economics, and public law; publishes annually about 25 leading articles, especially on questions of current interest, and about 130 reviews, and gives a condensed general record of political events; edited by the Faculty of Political Science (managing editor, Munroe Smith); Boston and New York: Ginn & Co.; quarterly (about 190 pp.), 75c.; per year, $3.00.

Popular Science Monthly.—1872; devoted to the diffusion of science; edited by J. McK. Cattell; New York: The Science Press; monthly (96 pp.), 30c.; per year, $3.00.

School of Mines Quarterly.—1879; official organ of the Alumni Association of the Schools of Science; original papers on engineering, metallurgy, chemistry, mineralogy, and geology; managing editor, R. E. Mayer; published by the editors; per year, $2.00.

Science.—1883; devoted to the advancement of science; edited by J. McK. Cattell; The Macmillian Co.; weekly, 15c.; per year (about 2000 pp.), $5.00.

Teachers College Record.—1899; practical problems of elementary and secondary education, and the professional training of teachers; edited by J. E. Russell; Columbia University Press; bi-monthly, except July (about 100 pp.), 30c.; per year, $1.00.

Torreya.—1901; a monthly journal of botanical notes and news; devoted to shorter articles than appear in the *Bulletin*, together with book reviews; editor, Marshal A. Howe; published by the Torrey Botanical Club; monthly, 15c.; per year, $1.00.

Issued with the Editorial Coöperation of Officers of Columbia University

American Anthropologist.—1888; original contributions and reviews on anthropology; edited by a board, including Franz Boas; New York: The Science Press; quarterly, $1.25; per year (about 800 pp.), $4.00.

American Historical Review.—1896; devoted to the interests of historical study in the United States; publishes reviews of important works, results of original research, documents for the use of investigators, and news of the work of European scholars; six editors, including W. M. Sloane; New York: The Macmillan Co.; quarterly; per copy, $1.00; per year, $4.00.

American Journal of Anatomy.—1901; edited by a board including G. S. Huntington; T. H. Morgan and E. B. Wilson, collaborators; published in Baltimore; quarterly; per year, $5.00.

American Journal of Archæology.—1885, official journal of the Archæological Institute of America, publishing papers of the Institute and of the Schools at Athens, in Rome, and in Palestine, and annual reports of these bodies, and issuing special bulletins; honorary editors include J. R. Wheeler; business manager is C. H. Young; New York: The Macmillan Co.; quarterly, $1.50; per year, $5.00.

American Journal of Physiology.—1898; edited for the American Physiological Society; original contributions; seven editors, including F. S. Lee; Boston: Ginn & Co.; monthly; per volume (about 500 pp.), $5.00.

Biochemisches Centralblatt.—1902; devoted to Chemistry and Medicine; sub-editors include R. Burton-Opitz; New York: G. E. Stechert; bi-monthly; per year, $7.00.

Biological Bulletin.—1899; short original contributions; seven editors, including E. B. Wilson.

Biophysikalisches Centralblatt.—1905; Biology, Physiology, and Pathology; sub-editors include R. Burton-Opitz; Leipzig: Gebrüder Borntraeger; semi-monthly; per year, 30 marks.

Bulletin of the American Mathematical Society.—1891; a historical and critical review; lists of new publications, notes on current events; editors, F. N. Cole, D. E. Smith, and others; New York: The Macmillan Co.; monthly, except July and August; per year (about 500 pp.), $5.00.

German-American Annals.—1897 as *Americana Germanica;* comparative study of the relations of Germany and America; original researches, critical articles, and reviews; contributing editors include W. H. Carpenter and Calvin Thomas; Philadelphia: German-American Historical Society; monthly (about 64 pp.), 25c.; per year, $3.00.

Goethe Jahrbuch.—1880; edited by Ludwig Geiger; English-American bibliography compiled by Rudolph Tombo, Jr., Frankfort a./M.; yearly (about 430 pp.), 10 marks.

Hygienisches Centralblatt.—1906; covering the whole range of hygiene; edited by Dr. Paul Sommerfeld; R. Burton-Opitz, American

sub-editor; Leipzig, Gebrüder Borntraeger; monthly; 30 marks per volume.

Internationales Centralblatt für Laryngologie, Rhinologie und verwandte Wissenschaften.—1884; American editor, G. M. Lefferts; Berlin, A. Hirschwald; monthly; per year (about 700 pp.), 15 marks.

Journal of the American Chemical Society.—1878; official journal of the American Chemical Society; articles upon recent chemical investigations. The board includes M. T. Bogert; Easton, Pa.: The Chemical Publishing Co.; monthly, 50c.; per year (about 2000 pp.), $6.00.

Journal of Biological Chemistry.—Editors include C. A. Herter; N. J. Gies a collaborator.

Journal of Comparative Neurology and Psychology.—1891; original compositions, reviews, and notices; associate editors include O. S. Strong, with collaboration of H. E. Crampton, F. S. Lee, T. H. Morgan, E. L. Thorndike, and others; published at Granville, Ohio; bi-monthly; per year, $4.00.

The Journal of Experimental Zoölogy.—1904; original contributions on experimental zoölogy, morphology, and physiology; eleven editors, including E. B. Wilson and T. H. Morgan; Baltimore; quarterly; per year, $5.00.

Journal of Morphology.—1887; original contributions on purely morphological subjects; seven editors, including E. B. Wilson; Boston: Ginn & Co.; quarterly; per year, $9.00.

Medical Review of Reviews.—1895; associate editor, A. C. Prentice; New York: Review of Reviews Co. (incorporated); monthly (64 pp.); per year, $1.00.

Modern Philology.—1903; research in modern languages and literatures; advisory board includes Calvin Thomas; University of Chicago Press; quarterly; per year, $3.00.

Transactions of the American Mathematical Society.—1900; research in pure and applied mathematics; the official organ of the Society for the publication of important papers read before it; three editors, including T. S. Fiske; New York: The MacMillan Co.; quarterly; per year (about 500 pp.), $5.00.

V. Student Publications at Columbia

The Barnard Bulletin.—1901; four pages, weekly; Barnard College news; per copy, 5c.; per year, $1.50.

The Columbia Jester.—1901; an illustrated comic paper, monthly during the college year; averages ten pages of reading matter with illustrations, cartoon, and a cover; per copy, 15c.; per year, $1.00 (by mail, $1.20).

The **Columbia Law Review.**—1901; legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; edited by a board of about sixteen students of the School of Law; monthly, November to June; (70 pp.); per copy, 30c.; per year, $2.00.

The **Columbia Monthly.**—Founded in 1903; by the combination of the *Columbia Literary Monthly* (1893) and *Morningside* (1896); an illustrated magazine; articles on Columbia University, of historical and of immediate interest, stories, verse, essays, editorials and book reviews; monthly, November to June; per year, $1.00.

The **Columbian.**—The annual; a bound illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other information concerning student life; published the week before Christmas by third-year men, six elected from Columbia College and six from the Schools of Applied Science. Volume XVI was published by the class of 1906.

The **Columbia Spectator.**—1877; published daily, except Sunday; edited by a managing board of five, assisted by a board of six editors and from twelve to twenty-five associate editors; per copy, 3c.; per year, $4.00.

The **English Graduate Record.**—1905; record of the life and work of graduate students of English in the University and after leaving; three editors with G. R. Carpenter as advisory editor; single numbers, 15c.; double numbers, 25c.; per year, $1.00.

The **Mortarboard.**—1897; an annual corresponding to the *Columbian*, but more literary in character, including, besides the history of the junior class, poems, stories, sketches, etc.; published by a board of about eight third-year students of Barnard College; price, $1.00.

The **Senior Class-Book.**—A book privately printed by the graduating class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899 and continued by the succeeding classes; includes pictures and autobiographies of the members, letters from the faculty, and the class-day speeches.

The **Teachers College Bulletin.**—1901; four pages, weekly; Teachers College news; per copy, 5c.; per year, $1.00 (by mail, $1.50).

DEGREES CONFERRED DURING 1905-06

Columbia College

Bachelor of Arts

Joshua Louis Amberg
Waldo Adams Amos
George Ashforth
Edward Cashman Bailly
Henry McComb Bangs
Edward Everett Bartlett, Jr.
Charles Bronk Batchelor
Nelson Kingsbury Benton
Amedeo August Bertini
Joseph Peter Blechman
Julius Blum
Eugene Lyons Bondy
Alexander Samuel Boyd
John Neville Boyle
George Julius Brandau
Carl Brands
Murray Bruce
Kenneth Bulkley
Grant Burns
Thomas Patrick Byron (October 25)
Robert Erskine Campbell
Hyman Caroline (February 5)
Wilbur Larremore Caswell
Frank William Chambers
Abraham Broderick Cohen
Belmont Corn
Chester Welde Cuthell (October 6)
Bernard Solomon Denzer (February 5)
William Beck Devoe
Fletcher Gardner Downs
Ralph Watson Dox
Kerner Easton (September 25)
Henry Joseph Eckstein
August Otto Eimer
Edsall Dubois Elliott
Herbert Emsheimer
William Leopold Essex
John Hinman Evans
Frank Diehl Fackenthal (February 5)
Sidney Forsch
Melvin Floyd Gearhart
William Montague Geer, Jr.
Norman S. Goetz
Clarence Thayer Gordon
Gerhard Ernest Hugh Greeff (August 17)
Carl Haner, Jr.
Hugo Heiman
Lawrence Herman Hellenberg
Max John Herzberg
George Cornelius Hill
Stuart McAlles Hirschberg
Ken Hoshino
Samuel Stanley Isaacs
David Herman Joseph (February 5)
Isya Joseph
Maxwell Meyer Kahn
Gordon Haym Kaiser
Floyd Yates Keeler
Julius Kendler
William D. Knight
Fletcher Irvin Krauss
Frank Benedict Lippmann
Irving Howard Loder
Robert Walker Macbeth
Charles Douglas Macdonald
Alexander Mackenzie (May 29)
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Robert Hugh Marwick
Albert Edward Maves
Samuel Mendelson (February 5)
George Gelston Moore, Jr.
Eli Morris Nathan
Edward Joseph O'Connell
Harold Ensign Bennett Pardee
Robert Matson Perry
William Redfield Porter
Alfred Ernst Rejall (February 5)
Stanley Lasker Richter
Leo Alfred Rosenthal
Frank Sample
Samuel Schiffman
Earle Scott
Pixley kà Isaka Seme
Walter Sichel
Nathan Silberstein (August 17)
Walter Leo Solomon
Kenneth Monroe Spence

Sigmund Spingarn (September 19)
Edward Frederick Spitz
Stanley Harold Steiner
Charles Arthur Stewart
Guy Cadwalader Stockton
James Leroy Stockton
Henry Pemberton Sturges
Harold Allen Thomas
James Albert Taylor (September 23)
John Northrop Thurlow
John Luneau Tonnelé, Jr. (September 23)
Percy Blackford Tripp
George Washington Tucker (September 23)
Kenneth Seymour Webb
Charles Laidlaw Williams
Howard Henry Worzel
Benno Maurice Wronker

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Bachelor of Science

Ralph Allison Adams
Robert Casamajor
Sydney Bradshaw Jacobs
Henry James Kline
Percival Leopold Weil

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Barnard College

Bachelor of Arts

Florence Emily Bell
Louisa Powell Blackburn
Virginia Tucker Boyd
Elizabeth Elliot Bradford
Elizabeth Randall Brautigam
Alice Dorothy Brewster
Marjorie Ferguson Brown
Mabel Emma Browne
Jennie May Bruce
Emma Augusta Chapman
Faith Delatour Chipperfield
Amelia Cohen
Jessie Parsons Condit
Nellie Oakes Darling
Katharine Eliza Darrin
Lovenia Adèle Dorsett
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Matilda Ernst
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Florence Pauline Lilienthal
Florence McMillen
Grace Beatrice MacColl
Jeannette Montgomery MacColl
Clarissa Harben Macavoy (Mrs. William C.) (October 2, 1905)
Fannie Mayer
Lucie Mayo-Smith
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Minnie Antoinette Nies
Josephine Paddock
Hazel Hudnall Plate
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Florence May Stapp
Edna Walmsley Forsythe Stitt
Virginia Taylor
Elizabeth Iverson Toms
Mildred Adele Wells
Helen Isabel Williams
Julia Elektra Ludlow Young

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Bachelor of Laws

William Clark Adams, Ph.B.
Martin Charles Ansorge, A.B.
Henry Rutgers Beekman, A.B.
James Stark Bennett, B.L., A.M.
Clinton Hamlin Blake, Jr., A.B., A.M.
Samuel Blumberg, B.S.
John Masters Bovey, Jr., A.B.
Henry Linn Brown
Howard Edwin Bruner, A.B., A.M.
Robert Grey Bushong, A.B.
George John Callahan
Lewis Means Cantrell, A.B.
Standish Chard, A.B.
Joshua Reuben Clark, Jr., B.S.
Ralph Alonzo Coan, A.B.
Frank Clayton Cole, A.B.
Curtis Calvin Cooper, A.B.
George Armstrong Custer, A.B.
Hugh Dysart Cutler, A.B.
Abraham Moses Davis, A.B.
Ben Franklin Dixon, Jr., A.B., A.M.
Harold Benjamin Elgar, A.B.
Julius Gans, A.B.
Morgan Bidleman Garlock, A.B.
Irving Islington Goldsmith, A.B.
Paul Gerhard Gravenhorst, A.B.
William Marvin Harris, A.B.
James Crane Higgins, A.B.
Robert Beresford Hincks, A.B.
John Charles Hoenninger, A.B.
Frank Knode Hoffman, A.B.
Henry Hofheimer, A.B.
Henry Thatcher Hornidge, A.B.
Oscar Rempel Houston, A.B.
David Edwin Hurwitz, A.B.
James Young Cory Kellogg
Edwin Patrick Kilroe, A.B., A.M.
George Louis Kobbe, A.B.
Ralph John Leibenderfer, A.B.
Rudolph Rubino Loening, A.B., A.M.
Abner McGehee, Jr., A.B.
Bernard Charles McKenna, A.B.
Kenneth Kent Mackenzie (February 16)
Edward Ward MacMahon, A.B.
John Van Antwerp MacMurray, A.B.
Theodore James William Malmberry,* A.B., A.M.
Albert Worthington Meisel, A.B., A.M.
George A. Mayer, B.S.
William Michaelis, A.B.
William Carr Morrow, A.B.
Russell Theodore Mount, A.B.
George Myers, A.B.
Clarence John Novotny, Ph.B.
Gerald Stuart O'Loughlin, A.B., A.M.
Ambrose Ludden O'Shea, A.B.
William Wheat Ragsdale, A.B.
Theodore Bertram Richter, A.B.
Lawrason Riggs, Jr., A.B.
Richard Joel Roberts, Ph.B.
James Latimer Robinson, A.B.
Reeve Schley, A.B.
Rudolph Schroeder, A.B.
Francis Charles Schwab, A.B.
Henry Blount Short, Jr., A.B., A.M.
Claude Archer Smith, A.B.
David Hertz Solotaroff, A.B.
Albert Adams Springs, Jr., A.B., A.M.
Henry Root Stern, A.B.
Henry Whitney Stowell, A.B.
Louis Emanuel Swarts, A.B.
Sigmund Sidney Theil, A.B.
John B. Trevor, A.B.
Andrew Charles Francis Troy, A.B.
Harry Truax
William Frank Unger, A.B.
Edwin Hoyt Updike, A.B., A.M.
Rudolph Ludwig von Bernuth, A.B. A.M.
Leonard Michael Wallstein, A.B
Jacob Walz, A.B.
Julius Weil, LL.B.

[80]

Doctor of Medicine

Samuel Doughty Abrams
Edward Taylor Riggs Applegate, Jr., B.S.
Christopher Johnson Astle, A.B.
Rollin Oliver Baker
Joseph Bakst
Sterling Barrows
Laurence Stewart Bartlett, A.B.
William Henry Bayles
Max Bernstein
Bertram Samuel Bickelhaupt
Clarence Atherton Birdsall
Milton Ralph Bookman
Peter Brancato
Athel Campbell Burnham
Elliott Cyril Burrows
Eustace Cameron Butler, Ph.G.
Louis Casamajor, A.B.
Joseph Casper, B.S.
Emanuel Cohen

* Deceased.

Dudley Steele Conley, B.L.
James Albert Corscaden, Ph.B.
Charles Thurston Decker
Willard Joseph Denno, A.B.
Albert Knecht Detwiller, Ph.B.
George Draper, A.B.
Westley Earle Drennen, A.B.
Eugene Floyd Du Bois, A.B.
Joseph Alexander Edgar
Charles Frederick Ehrhardt
Abraham David Eisenberg
William Ten-Eyck Elmendorf, A.B.
Joseph Engel Engelson
Archibald Parker Evans (October, 1905)
David Felberbaum
Abraham Fine
Morris Fink
Henry Archbold Fischer
Charles Frank Fisher
Edward Albert Flemming
William Frieder
Simon Sydney Friedman, A.B.
Lewis Arthur Goldberger, A.B.
Alexander Goldman, Ph.G.
Donald Gordon, Jr.
Abraham Gottesman
John Eliott Graham
Samuel Greenspan
Lesser Bernhardt Groeschel
Louis Joseph Grossman
James Taylor Harrington, A.B.
Harry Blatt Harris
Leonard Hart, B.S.
Theodore Leacraft Hein (October, 1905)
Morris Walgrove Henry
Louis Kaufman Henschel
Arthur Chester Holzman
Ernest Titus Dean Howell
De Ruyter Howland
Allen Hull (October, 1905)
Ralph Pryne Huyck
Max Ittelson
Albert Christobal Jané, A.B.
Morris Samuel Joelson
Frederick A. Johnson
Ignatz Kaufman
Edwin Jackson Kibbe
Paul Wellington Kimball, A.B.
Rolfe Kingsley, Ph.B.
Earl Willis Kobler
Isidore Joseph Landsman, A.B.
Frank Hermance Lasher
Michael Joseph Lawler, A.B.
Emanuel Frederick Lebwith, B.S.
Max Lederer
William Rumfitt Lee, Jr.
Benjamin Meyer Levine
Howard Taylor Lewis, B.S.
Charles Christian Lieb, A.B.
Howard Edward Lindeman
Tracy Robinson Love, Ph.B.
Edward Crane Lyon, A.B.
William Guilding McCormack, Jr.
Arthur Francis McDonald (October 1905)
Peter Leo McKallagat
Edward Tinney McNulty
Merritt Heminway Merriman, A.B.
William Darcy Miningham
Oscar A. Mockridge, B.S.
Adelbert Howard Monty
Henry Moses Moretsky
John Oberwager, A.B.
Frederic Golding Oppenheimer, A.B.
Michael Osnato
Marshall Carleton Pease, Jr., B.S.
Charles Phillips
Joseph Yates Porter, Jr.
Charles Howard Pratt
Alfred Raabe
Edgar Thomas Ray, A.B.
Mark Reuben, A.B.
Frederick Walter Rice, A.B.
Joseph Rosenthal
Carl Artman Ross
Augustus Thomas Rossano
Charles Ryttenberg, A.B.
Jesse Fleet Sammis, A.B.
Robert Schulman, A.B.
Henry Schumer
David Barnette Schwartz
Peter Schwartz
Henry Clark Sears
Charles Edwin Selvage
Irwin Wint Severson
Marks Solomon Shaine, A.B.
William Albert Shea, Litt.B.
William Davies Sherwood
Samuel Tilden Silverman
David A. Singer, A.B.
William Irving Sirovich, A.B.
Arthur Langford Slocum, A.B.
Scott Lord Smith, A.B.
Abraham Louis Smolen, A.B.
Samuel Paul Sobel
William Spickers, Jr.
Sidney Lehman Spiegelberg, A.B
Arthur Steere, A.B.
Irving David Steinhardt
Giovanni Stelia
Edgar Eginton Stewart
Samuel Stewart
William Peter Strain
Charles Francis Stratmann

Mark Dunklin Sullivan, Ph.G.
Abraham Jacob Sumner
William Te Gussinklo
Louis Albert Thunig
Sydney Ross Titsworth, B.S.
Edward Delavan Truesdell, A.B.
Henry Herman Unger, A.B.
Charles Edward Vail, A.B.
Gerard Johan Van Verbeek Schott, Jr.
Robert Montgomery Vermilye, A.B.
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Howard Crosby Voorhees, A.B.
Ralph Doremus Vreeland
Lennox Gresham Walling, A.B.
Edwin Dial Watkins, B.S.
Adolph Weizenhoffer, B.S.
Raymond Robert Westover
Robert Potts White (October, 1905)
Wilson Guyon Wood, B.S.
James Clements Wooldridge, A.B.
Frederick Starr Wright, A.B.

Engineer of Mines

Lawrence S. Arnold (October 5)
Herbert S. Auerbach (February 9)
Harold Baxter
Herbert Grove Cannon (September 27)
Waring Carrington
Albert Hermon Case, B.S. (September 20)
John Adams Church, Jr.
Frank Daniel Druding
Drew Haven Dunn
Frank Travers Eddingfield
Herbert Cory Enos (February 5)
Alfred Winter Evans
Carl Benjamin Franc, Jr.
Chester Alan Fulton
Frederick Edward Gibert, Jr.
Clarence Michael Haight
John Robertson Hoyt
Arthur Michael Johnson
Herman Norton Johnson, A.B.
Lee Olds Kellogg, A.B.
Lloyd Malcom Kniffin
Marsden Henry Landers
Harold Newbold Lawrie (August 18)
Dewitt Clinton MacKallor
[45]

Henry Griffiths McClain
Downie Davidson Muir, Jr.
Aquila Chauncey Nebeker, B.S.
Cecil Walter Pocock
Edmund Astley Prentis, Jr.
Benjamin F. Roden, Jr., C.E.
René Alexander de Sallier du Pin (September 6)
Frederick William Schmitt, B.S. (September 20)
Robert Spencer Schultz, Jr.
H. Frederick Seifert
Kenneth Miller Simpson, A.B.
Earl Clark Stevens (February 8)
Albert Godfrey Suydam
Morris Gardner Talcott (December 14)
Henry Bowman Taylor
Charles Sewell Thomas, Jr.
Andrew Mellick Tweedy
Frank Carmany Wallower, C.E. (April 4)
Oscar Maurrice Weichsel, B.S. (June 30)
Robert Henry Willets (September 22)

Civil Engineer

Roswell Spencer Baylis
Rudolph Conrad Becker, B.S.
Hartwell Bishop, A.B. (August 16)
Clark Blickensderfer (April 5)
Thomas J. Brady, Jr.
Lewis Thomas Churchill (January 8)
John Daniel Cosgrove
Maurice Deutsch
John Bodine Doughty
James Kip Finch
Henry Harrison Goodwin
Russell de Costa Greene
Leonard Post Hosford
[24]

Henry Lux Jochum (October 30)
Theodore Philip Kilian
Abraham Lazinsk, A.B. (May 8)
Francis William McKinney, A.B.
Charles A. Ott
Eugene Pitou, Jr., A.B.
Samuel Noah Polishook
Frank Houghton Sewell, A.B.
Elbert Osborne Smith, Jr. (September 27)
William Frederick Thoman, A.B.
Roger Wolcott Toll

Electrical Engineer

Henry King Chandler (November 29)
Arthur Ferenczy (Equiv. A.B.)
Charles Simmons Fettretch
Mortimer Freund
Frazer Walker Gay, A.B.
Samuel Goldberg, A.B.
Robert Josephi
Alfonse Kaufman
Covington Guion Kilbourne
William Lebowitz
J. Chester Alan Arthur Lichtenberg
Alfred Butt Morris
Edward Niemann, B.S.
Austin Phelps Palmer
Arthur George Popcke
James Paulding Reed, B.S.
John Foote Rhame
William Schwarzkopf
Clarence F. Snedeker (October 11)
Oscar Egerton Stevens
Max Hirsch Sussman
Isadore Tanz, B.S.
Samuel Shelton Watkins
John Henry Wiechers

[24]

Mechanical Engineer

James Christy Barnaby
Louis Borsody
J. Ramón del Rio
William Carrington Dunlop
Harry Kaplan, B.S.
Charles Arthur King
Herbert Spencer Loveman, A.B. (November 1)
Malcolm McIntyre (June 16)
Lucius R. Merritt
Robert Morrison Olyphant, Jr.
Reginald James Seymour Pigott
Worcester Putnam
James Beaumont Spencer
David Montgomery Updike
Francis Abeken Westbrook

[15]

Metallurgical Engineer

Frederick Henry Duden, A.B.
Edward Hess

[2]

Bachelor of Science

(Course in Chemistry)

William Henry Boynton
Otto Kress
J. Edwin Sinclair
John David Wiggin

[4]

Bachelor of Science

(Course in Architecture)

William Lawrence Bottomley
Bedford Brown
Aleck Edward Curlett
Theodore Maxwell Jones (November 13)
Joseph Whittla Stinson (December 18)

[5]

Bachelor of Science

(Course in Education)

Eva Adalene Acken
Mary Lincoln Allis
Margaret Alterton
Annie Stuart Anderson
Susan Farley Anderson
Caroline Van Rensselaer Ashcroft
Lilian Back
Gay Robertson Blackford
Alma Louise Binzel
Annah Prentice Blood
Ethel Charlotte Bratton
Mary Juanita Brison (October 20)
Augusta Fox Bronner
Anna Pamela Brooks, A.B.
Mary Anna Brown
Daniel Laurence Burke
Harriet Irene Carter
Mary Davoren Chambers (October 20)
Edith Chapman
Jessamine Chapman
Linda Clarke-Smith
Laura E. Gantt Colbman

Annie Sturgis Crowell
Amy L. Daniels
Helen Graziella Deacon
Martha Elizabeth Dean
Grace Ella Denny
Louis DeWitt Deyo
Elizabeth Susan Dixon
James Jarvis Doster
Clara Martin Douglas
Cecile Eichbauer
Cecilia Feigenbaum
Louise Marion Fisher
Edward Augustus Fitzpatrick
Anna Katherine Flint, B.L.
Augusta Fortman
Charlotte Anne Francis
Elizabeth Johnson Freeborn
Emma Molesworth Garretson
Annie Jean Gash (February 16)
Ann Monroe Gilchrist (October 20)
Theda Gildemeister
Lulu Genevieve Gill
Anna Melissa Graves (October 20)
Clara Palmer Gros, B.S.
Grace Aileen Harrington
Alice Fenton Haynes (April 6)
Julia Ava Hill, A.B.
Herman Hirsch Hoexter
Abby Stone Howell
Maude Adalia Kerns, A.B.
Alice Appleton Kimball
Alice Cynthia King
Eula Mae Kinkaid
Dora Ladd
Martha Livermon
Kathryn Marie Long, A.B.
Michael Henry Lucey
Harriet Adelaide Luddington
Mabel Madeline Lutes
Pearl MacDonald
Alice Louise Marsh
Rebecca Paulding Meade
Anna Victorine Mellen
Ethelwyn Miller, A.B.
Jane Francis Murphy
Helen Newpher
Emily Nicholas
Saida Warren O'Brien
Joseph Warren Oliver
Theodore Emil Palleske
Luella Angelina Palmer
Sarah Gay Patteson
Venita Pendleton
Clementine M. Pierson
Mabel Louise Pollitzer
Anna Poots
Florence Alida Pray
William Louis Rabenort
Mary Lillian Read
Irene May Reeder
Elizabeth Mae Robinson
Maurice E. Rogalin
Lotta Bernhardine Russak
Grace Maria Seton
Leonora Walmsley Sheib
Arthur Shoemaker, M.D.
Yetta S. Shoninger
Eleanor Sinsheimer
William Palmer Smith (April 6)
Ella Marion Snow
Ada Springer
Caroli Eomnerette Stackpole
Elsie Stiebritz
Adelaide Beverly Stryker
Mary Davies Swartz
June Tasche
Marion Treat
Janette Trowbridge
Eleanor Selden Tucker
Lelia Judson Tuttle
Harry Horton Van Cott
Mabel Ward Vanderhoof
Grace Vincent
Elisabeth Christina von Saltza
William Voxman
Agnes Eugenia Walling
Anna Tallman Waring, A.B.
Louise Waugh
Marion Lee Webster
Estella Terry Weeks
Louis Reed Welzmiller, M.D.
Edith Barbara Wertz
Clara Louisa Wilbur
Jane Williams
Mabelle Woodruff
Harriet Elvira Wyckoff

[118]

Doctor's Diploma in Education

Lambert Lincoln Jackson, A.B., University of Michigan, 1897; A.M. 1899; B.Pd., Michigan State Normal College, 1899.

Bruce Ryburn Payne
A.B., Trinity College (N. C.), 1896; A.M., 1902; A.M., Columbia University, 1903; Ph.D., 1905. (February 7, 1905).

Alva Walker Stamper
B.S., University of California, 1895; A.M., Columbia University, 1905.

[3]

Master's Diploma in Education

Amy Fields Arey
Ph.B., Iowa College, 1899; B.S., Columbia University, 1905.
Wilhelmina Catherine Beller
B.S., Columbia University, 1904.
Suzan Rose Benedict
B.S., Smith College, 1895.
Don Carlos Bliss
A.B., Hanover College, 1892; A.M. 1894.
Udetta Doty Brown
A.B., Wellesley College, 1903.
Julian Ashby Burruss
B.S., Virginia Polytechnic Institute, 1898.
Lida Belle Earhart
A.B. University of Michigan, 1901.
William Thomas Fletcher
B.S., Pacific University, 1900.
Lloyd Lowndes Friend
A.B., West Virginia University, 1897.
William Plymon Garrety
B.S., College of the City of New York, 1897.
Willystine Goodsell
B.S., Columbia University, 1905.
Nina Hart
A.B., Vassar College, 1904.
Joseph Lindsey Henderson
A.B., University of West Virginia, 1894.
Francis Henrietta Hibbard
B.S., Columbia University, 1905.
Frank Clinton Johnson
A.B., Dartmouth College, 1897.
Oliver Blaine Kern
A.B., Franklin and Marshall College, 1899 (April 6).
Oscar Laffer
A.B., College of the City of New York, 1904.
Henry Charles Lott
M.Pd., Michigan State Normal College, 1902.
[36]
Edward Joseph McNamara
A.B., Manhattan College, 1904; A.M., 1905.
John Thomas Manning
A.B., Manhattan College, 1893; LL.B., New York Law School, 1897.
Chester Arthur Mathewson
B.S., Columbia University, 1905.
Arthur Ray Maxson
A.B., Rollins College, 1900 (October 20).
Charles Robert Maxwell
B.S., Columbia University, 1905.
Edwin Morgan
A.B., University of Chicago, 1894.
Taira Nakamura
A.B., Leland Stanford, Jr., University 1905.
John Baker Opdycke
A.B., Franklin and Marshall College, 1898; A.M., New York University, 1902.
James Joseph O'Regan
A.B., St. Francis Xavier College, 1895
Herriott Clare Palmer
B.S., Franklin College, 1889; Ph.M. 1897.
Elsie Elizabeth Pitou
A.B., Vassar College, 1905.
Hally Morrison Prentis
A.B., University of Missouri, 1905.
Ione Armenia Reynolds
Ph.B., Syracuse University, 1900.
William Darwin Root
A.B., University of California, 1902.
Fong Foo Sec
B.L., University of California, 1905.
Nathan Silberstein
A.B., Columbia University, 1905.
LeRoy Weller
A.B., Wesleyan University, 1899.
Mary Theodora Whitley
B.S., Columbia University, 1905.

Bachelor's Diploma in Education

Julia Wade Abbot (Kindergarten)
Eva Adalene Acken (English)
Agnes Cecelia Allan (Music)
Mary Lincoln Allis (Fine Arts)
Margaret Alterton (Primary Supervision)
Annie Stuart Anderson (History)
Susan Farley Anderson (English)
Hettie Margaret Anthony, A.B. (Domestic Science)
Lillie May Ash (Domestic Science)
Caroline Van Rensselaer Ashcroft (Physical Education)
Lilian Back (Kindergarten)
Elizabeth Lovering Barris (Fine Arts)
Florence Emily Bell (English)

Alma Louise Binzel (Kindergarten Supervision)
Louise Powell Blackburn (Biology)
Gay Robertson Blackford (Mathematics)
Edith Blackman (Domestic Science)
Carl Brands (German)
Ethel Charlotte Bratton (Elementary Supervision)
Elizabeth Randall Brautigam (English)
Augusta Fox Bronner (Elementary)
Anna Pamela Brooks, A.B. (Fine Arts)
Frank Cornish Brown (Physical Science)
Mary Anna Brown (English)
Mabel Emma Browne (Mathematics)
Jennie May Bruce (English)
Murray Bruce (Greek)
Daniel Laurence Burke (Mathematics)
Harriet Irene Carter (Supervision Grammar Grades)
Mollie Cashen (Fine Arts)
Edith Chapman (Kindergarten)
Emma Augusta Chapman (Greek)
Jessamine Chapman (Domestic Science)
M. Bertha Chrisman (Domestic Science)
Linda Clarke-Smith (French)
Abraham Broderick Cohen (German, History)
Laura E. Gantt Coleman (Biology)
Jessie Parsons Condit (Greek)
Annie Sturgis Crowell (Mathematics)
Katharine Eliza Darrin (Latin)
Helen Graziella Deacon (Elementary)
Martha Elizabeth Dean (Fine Arts)
Mary Florence Dennis (Fine Arts)
Grace Ella Denny (Physical Education)
Louis Dewitt Deyo (History)
Elizabeth Susan Dixon (History)
Helen Donovan (Domestic Art)
Lovenia Adele Dorsett (History)
James Jarvis Doster (Manual Training)
Clara Martin Douglas (French, German)
George Stuart Dunn (Fine Arts)
Helen Frances Durie, A.B. (English)
Cecile Eichbauer (Mathematics)
Frances Cottrell Elliot (Domestic Science)
Matilda Ernst (History)
Elizabeth Grace Evans (Latin)
Laura Falls (Manual Training)
Mary Elizabeth Falls (Elementary)
Louise Marion Fisher (Physical Education)
Edward Augustus Fitzpatrick (English)
Anna Katherine Flint, B.L. (Domesmestic Art)
Augusta Fortmann (Mathematics)
Charlotte Anne Francis (Physical Science)
Emma Molesworth Garretson (German)
Annie Jean Gash (Domestic Science) (February 16)
Marie Gelbach (German)
Theda Gildemeister (Elementary Supervision)
Lulu Genevieve Gill (Physical Education)
Elizabeth Meech Gowans (Fine Arts)
Clara Palmer Gros, B.S. (Primary)
Caroline Dumont Hall (History)
Alice Haskell (English)
Clara Rose Hatheway (Fine Arts)
Alice Fenton Haynes (Kin'ergarten) (April 6)
Jessie Elizebeth Haynes (Mathematics)
Max John Herzberg (English)
Julia Ava Hill, A.B. (Fine Arts)
Hermann Hirsch Hoexter (Music)
William Cyprian Hopkins, A.B. (Manual Training)
Abby Stout Howell (Fine Arts)
Bertha Clarkson James (Mathematics)
Corinne Marie Jennings (Mathematics)
Isabella Emma Jewell (Hospital Economics)
Harriet Hanks Jones (Domestic Science)
Maude Idalia Kerns, A.B. (Fine Arts)
Alice Appleton Kimball (Kindergarten)
Alice Cynthia King (Primary Supervision)
Eula Mae Kinkaid (Elementary Supervision)
Henry James Kline (Mathematics)
Ethel May Knox (Latin)
Elsie Kohut (History)
Dora Ladd (Primary Supervision)
Joseph Bolling Lee (Mathematics)
Mary Louise Lester (Domestic Science)
Bessie Lena Lewis (Mathematics)
Florence Pauline Lilienthal (English)
Martha Livermon (Mathematics)
Kathryn Marie Long (Kindergarten)
Michael Henry Lucey (English)
Mabel Madeline Lutes (Domestic Science)
May Shields McCully (Physical Education)

Florence Louise McMillan (History)
Grace Beatrice MacColl (History)
Pearl MacDonald (Domestic Science)
Catharine L. Maddock (Kindergarten Supervision)
Maud E. Manfred (German)
Alice Louise Marsh (English, Primary Supervision)
Della Marsh (Domestic Science)
Rebecca Paulding Meade (Elementary)
Anna Victorine Mellen (History)
Ethelwyn Miller, A.B. (Fine Arts)
Ada Mary Murdock (Fine Arts, Manual Training)
Jane Frances Murphy (Music)
Helen Newpher (Physical Education)
Emily Nicholas (Mathematics)
Ellen Elizabeth Nichols (Elementary)
Minnie Antoinette Nies (Latin)
Saida Warren O'Brien (Elementary)
Joseph Warren Oliver (Manual Training)
Theodore Emil Palleske (German)
Luella Angelina Palmer (Kindergarten Supervision)
Sarah Gay Patteson (Mathematics)
Venita Pendleton (History)
May Phillips (Fine Arts)
Clementine M. Pierson (Domestic Science)
Margaret Manicault Pinckney (Kindergarten Supervision)
Hazel Hudnall Plate (Latin)
Mabel Louise Pollitzer (Biology)
Anna Poots (Elementary)
Catharine Mary Post (English)
Elizabeth Smith Post (History)
Florence Alida Pray (Domestic Science)
Ida Whitcomb Prentice (Fine Arts)
William Louis Rabenort (School Administration)
Anne Mutch Rae (Biology)
Henrietta Ralston (Fine Arts)
Mary Lillian Read (Kindergarten Supervision)
Sara Allen Reed, A.B. (Kindergarten)
Irene May Reeder (Domestic Science)
Joseph Whitner Reid (Manual Training)
Alfred Ernst Rejall, A.B. (German)
Mabel Elizabeth Weiss Rich (German)
Elizabeth Mae Robinson (Kindergarten)
Maurice E. Rogalin (Mathematics)
Madeline Dorothea Rohr (History)
Lotta Bernhardine Russak (German)
Florence Schlageter (English)
Clara Helene Schmidt (Mathematics)
Grace Maria Seaton (Elementary)
Irma Scott Seeligman (English)
Arthur Shoemaker, M.D. (Physical Education)
Yetta S. Shoninger (Elementary Supervision)
Marion Loder Simons (Mathematics)
Eleanor Sinsheimer (Domestic Science)
William Palmer Smith (Mathematics) (April 6)
Ella Marion Snow (French)
Walter Leo Solomon (English)
Myra B. Spafard (Fine Arts)
Edward Frederick Spitz (English)
Ada Springer (Biology)
Maud Johanna Staber (Biology)
Caroline Emorette Stackpole (Biology, Nature Study)
Florence May Stapp (English)
Elsie Stiebritz (Physical Education)
Lucile Hinkle Stimson, A.B. (Domestic Science)
Adelaide Beverly Stryker (Domestic Science)
Mary Davies Swartz (Domestic Science)
June Tasche (Kindergarten)
Walter Alvin Tice (Elementary)
Elizabeth Iverson Toms (Latin)
Marion Treat (Domestic Science)
Janette Trowbridge (Physical Education)
Eleanor Selden Tucker (Biology)
Lelia Judson Tuttle (English)
Harry Horton Van Cott (Physical Science)
Lucy M. Van Cott (Domestic Science)
Mabel Ward Vanderhoof (History)
Elisabeth Christina von Saltza (Elementary)
William Voxman (History)
Agnes Eugenia Walling (Elementary)
Anna Tallman Waring, A.B (Domestic Art)
Louise Waugh (Domestic Science)
Marion Lee Webster (Geography)
Winifred May Webster, A.B. (Mathematics) (April 6)
Estella Terry Weeks (Kindergarten, History)
Mildred Adele Wells (Mathematics)
Louis Reed Welzmiller, M.D. (Physical Education)
Edith Barbara Wertz (English)
Mabel Hunter Wiant (English) (February 16)
Clara Louise Wilbur (Latin)

Bessie Potter Williams (Elementary) (October 20)
Helen Isabel Williams (Latin)
Jane Williams (Elementary)
Wealtha Ann Wilson (Domestic Science)
Mabelle Woodruff (Elementary)
Howard Henry Worzel (English, History)
Harriet Elvira Wyckoff (History)
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SPECIAL DIPLOMAS

Luna Evangeline Bigelow (*Elementary Supervision*)
Evelyn Calef (*Domestic Art*)
Lile George Deeter (*Domestic Science*)
Hallie Dickinson (*Kindergarten*)
Grace Drummond (*Domestic Science*)
Jane Therese Fales (*Domestic Art*)
Ada Rose Gallaher (*Elementary Supervision*)
Helen Gordon (*Kindergarten Supervision*)
Lucia Montana Hastings (*Elementary Supervision*)
Elizabeth Gleason Holmes (*Kindergarten Supervision*)
Grace Lawrence Morrison (*Nature Study*)
Helen Wallace Orcutt (*Kindergarten Supervision*)
Isabel Peckham Pashley (*Kindergarten Supervision*)
Virginia Reynolds (*Nature Study*)
Sarah Logan Rogers (*Elementary*)
Minnetta Florence Sammis (*Kindergarten Supervision*)
Flora Madeline Shaw (*Hospital Economics*)
Margaret Moe Simmons (*Kindergarten Supervision*)
Anna Franklin Strickland (*Physical Education*)
Amelia Viola Thorn (*Kindergarten Supervision*)
Charlotte Augusta Waite (*Domestic Art*)
Elizabeth Dun Young (*Kindergarten Supervision*)
[22]

Pharmaceutical Chemist

Frank George Bradtke
Charles Kimball Brown
Charles W. Flint
Harold Van Wyck Goring
Edward Hazard Hartnett
Earl Grant Hastings
Charles William Holzhauer
John Gerrie Neil
Walter Clyde Overton
Leopold Rein
[10]

Doctor of Pharmacy

Joseph Weinstein
[1]

Master of Arts

Luther Jewett Abbott
A.B., University of Nebraska, 1896; LL.B., 1900.

Moses Joseph Solomon Abels
A.B., College of the City of New York, 1904.

Jessie Blanche Adams
A.B., Columbia University, 1904.

Seiichi Amano
(Equiv. A.B.), Donincha Gakko, Japan, 1892.

Gustavus Edwin Anderson
B.S., University of Chicago, 1905.

Hettie Margaret Anthony
A.B., Missouri State University, 1901.

Amy Fields Arey
Ph.B., Iowa College, 1899; B.S., Columbia University, 1905.

George Byron Louis Arner
B.L., German Wallace College, 1904.

Herbert Samuel Auerbach
E.M., Columbia University, 1905.

George Carl Autenrieth
B.S., College of the City of New York, 1902.
Anna Gertrude Baker
A.B., Otterbein University, 1898.
Mary Clark Bancker
Ph.B., University of Michigan, 1891; Ph.M., 1892.
Florence Fisher Bates (Mrs.)
A.B., University of Michigan, 1902; A.M., Oberlin College, 1904.
Martha Warren Beckwith
B.S., Mount Holyoke College, 1893.
Wilhelmina Catherine Beller
B.S., Columbia University, 1904.
Suzan Rose Benedict
B.S., Smith College, 1895.
Georgina Grace Bennett
A.B., Columbia University, 1905.
Francis Patrick Bergen
B.S., Massachusetts Institute of Technology, 1898.
Don Carlos Bliss
A.B., Dartmouth College, 1892; A.M., 1894.
Norman Towar Boggs
A.B., Princeton University, 1904.
Minnie Louise Bollert
A.B., University of Toronto, 1900; A.M., 1902.
John Hood Branson
Ph.B., Wooster College, 1901; A.B., Harvard University, 1902.
Udetta Doty Brown
A.B., Wellesley College, 1903.
Julian Ashby Burruss
B.S., Virginia Polytechnic Institute 1898.
Mary Edwards Calhoun
A.B., Columbia University, 1905.
Gustav Denz Capito
A.B., Washington and Lee University, 1898; M.D., Columbia University, 1903. (November 14).
Elizabeth Merle Carhart
A.B., Columbia University, 1901.
Guy Mortimer Carleton
A.B., Yale University, 1899.
Louis Casamajor
A.B., Columbia University, 1903.
Robert Emmet Chaddock
A.B., Wooster College, 1900
John Maurice Clark
A.B., Amherst College, 1905.
Abye Albert Cohn
Ph.B., University of Mississippi, 1905.
Harrison Josiah Conant
A.B., Amherst College, 1904.
Sarah Howard Conant
B.S., Wellesley College, 1887 (April 10).
Ellen Parmelee Cook
B.S., Smith College, 1893.
Charles Aloysius Corcoran
B.S., College of the City of New York, 1904.
Elizabeth Crowther
Ph.B., University of Chicago, 1899.
Varnum Pierce Curtis
B.S., Worcester Polytechnicc Institute, 1901; C.E., 1905.
Hugh Dysart Cutler
A.B., Cornell University, 1902.
Rhea Dallas
A.B., Winthrop Normal and Industrial College, 1904.
William Watson Davis
B.S., Alabama Polytechnic Institute 1903; M.S., 1904.
Elizabeth Soonerton Day
A.B., Columbia University, 1905.
Helen Frances Durie
A.B., University of Toronto, 1905.
Lida Belle Earhart
A.B., University of Michigan, 1901.
Mabel Edna Engle
A.B., Lebanon Valley College, 1904.
Ralph Hall Ferris
A.B., University of Wooster, 1901; B.D., Union Theological Seminary, 1904.
Lillian Henrietta Fishel
A.B., Wellesley College, 1890.
William Thomas Fletcher
B.S., Pacific University, 1900.
Mary Flexner
A.B., Bryn Mawr College, 1895.
Leo Joachim Frachtenberg
Testimonium Maturitatis Gymnasium Przemyśl, Austria, 1904.
Milton W. Franklin
M.D., University of California, 1899.
Lloyd Lowndes Friend
A.B., West Virginia University, 1897.
Ralph Mendenhall Frink
A.B., Wabash College, 1905.
Mary Kennedy Frost (Mrs.)
A.B., Knox College, 1901.
Claude Moore Fuess
A.B., Amherst College, 1905.
Frank Arthur Gardner
B.S., Worcester Polytechnic Institute, 1890.

WILLIAM PLYMON GARRETY
B.S., College of the City of New York, 1897.
JOSEPH LAUREL GARVIN
A.B., Hiram College, 1900.
WILLYSTINE GOODSELL
B.S., Columbia University, 1905.
GERHARD ERNEST HUGH GREEFF
A.B., Columbia University, 1905.
AMY LANDON GURLITZ, Jr.,
A.B., Wellesley College, 1905.
ELIZABETH HALL
A.B., Swarthmore College, 1905.
NINA HART
A.B., Vassar College, 1904.
GEORGE WILBUR HARTWELL
Ph.B., Wesleyan University, 1903.
GALEN BISHOP HATHAWAY
A.B., University of Missouri, 1902.
JACOB HAYMAN
C.E., Brown University, 1895.
EUGENE DE FOREST HEALD, Jr.,
A.B., Johns Hopkins University, 1897.
JAMES PUTNAM HEATON
A.B., Columbia University, 1905.
ANNA CHARLOTTE HEDGES
B.S., Columbia University, 1904. (October 11).
HENRY EMMO HEIN
A.B., College of the City of New York, 1902.
JOSEPH LINDSEY HENDERSON
A.B., West Virginia University, 1894.
FRANCES HENRIETTA HIBBARD
B.S., Columbia University, 1905.
GRANT HOERNER
A.B., Dickinson College, 1896.
FRANK KNODE HOFFMAN
A.B., Franklin and Marshall College, 1903.
CHEEVER HOYT
A.B., Michigan State Normal College, 1904.
EDWIN WILLIAM HUMPHREYS
A.B., College of the City of New York, 1903.
LOUISE HENDERSON IRVING
B.L. Smith College, 1902.
SRIRANGAM DESIKACHAR SHESHADRY IYENGAR
A.B., Madras University, India, 1897.
MURRAY GOODLET JENKINS
A.B., College of the City of New York, 1904.
FRANK CLINTON JOHNSON
A.B., Dartmouth College, 1897.
HERMAN NORTON JOHNSON
A.B., Amherst College, 1903.
EDNA BLANCHE JONES
A.B., Columbia University, 1903.
HARRY KAPLAN
B.S., College of the City of New York, 1904.
LEE OLDS KELLOGG
A.B., University of Minnesota, 1902.
OLIVER BLAINE KERN
A.B., Franklin and Marshall College, 1899.
GORDON SAUL PHILIP KLEEBERG
A.B., Columbia University, 1905.
JEROME ARNOLD KOHN
A.B., New York University, 1904.
KATHERINE ANNA KUNZ
B.S., Columbia University, 1905.
OSCAR LAFFER
A.B., College of the City of New York, 1904.
ISIDORE JOSEPH LANDSMAN
A.B., College of the City of New York, 1901.
JOSEPH BOLLING LEE
A.B., College of the City of New York, 1904.
ABBY PORTER LELAND
A.B., Columbia University, 1905.
EMILIO LEVY
B.E., Tulane University, 1902. (April 10).
FRANCIS CHURCH LINCOLN
B.S., Massachusetts Institute of Technology, 1900; E.M., New Mexico School of Mines, 1903.
JOSEPH LIPKE
B.S., Columbia University, 1905.
HENRY CHARLES LOTT
M.Pd., Michigan State Normal College, 1902.
CURTIS LUBLIN
A.B., Columbia University, 1905.
DANIEL RALPH LUCAS
B.S., Purdue University, 1903.
THOMAS WILLIAM LUDLOW
B.S., Columbia University, 1903.
MAY LYNNE
Cambridge University, England, 1889–92.
THOMAS FRANKLIN MCCARY
(Equiv. A.B.)
MAUD EMILY MCCLARY
A.B., Wellesley College, 1899.
CLARK ALEXANDER MCCOLL
B.S., Tarkio College, 1904.
JOHN MONTEITH MCFALL
A.B., College of Charleston, 1904.
ABNER MCGEHEE, Jr.
A.B., University of Arkansas, 1903.

GRACE MCKINSTRY
B.S., Columbia University, 1902. (January 23).

EDWARD JOSEPH MCNAMARA
A.B., Manhattan College, 1904; A.M. 1905.

ELIZABETH MCNEELEY
A.B., University of Toronto, 1896.

HARVEY GRANT MCVICKER
A.B., Waynesburg College, 1894; B.D., Cumberland University, 1896. (November 14).

ETHEL MACDONALD
A.B., Western Reserve University 1903.

JOHN THOMAS MANNING
A.B., Manhattan College, 1893; LL.B., New York Law School, 1897.

CHESTER ARTHUR MATHEWSON
B.S., Columbia University, 1905.

CHARLES R. MAXWELL
B.S., Columbia University, 1905.

CHARLES SEARING MEAD
B.S., Ohio State University, 1904.

ELY OTHMAN MERCHANT
A.B., Amherst College, 1904.

MAX MICHAEL
A.B., University of Georgia, 1904.

EDWIN MORGAN
A.B., University of Chicago, 1894.

CHARLES V. MORRILL, Jr.,
A.B., College of the City of New York, 1903.

TAIRA NAKAMURA
A.B., Leland Stanford, Jr., University, 1905

EUGENE ALEXANDER NIFENECKER
A.B., College of the City of New York, 1901.

JOHN BAKER OPDYCKE
A.B., Franklin and Marshall College, 1898; A.M., New York University, 1903.

JAMES JOSEPH O'REGAN
A.B., St. Francis Xavier College, 1895.

HERRIOT CLARE PALMER
B.S., Franklin College, 1880; Ph.M. 1897.

HAROLD SPENCER PERCIVAL
A.B., Leland Stanford, Jr., University, 1903.

JOSEPH LOUIS PERRIER
A.M., St. Francis Xavier College, 1905.

MARY ISABEL PHILP
Ph.B., Syracuse University, 1901.

CHARLES BELDING PHIPPS
B.S., Colgate University, 1901.

ELSIE ELIZABETH PITOU
A.B., Vassar College, 1905.

JOHN ABBOTT POWELL
A.B., Ripon College, 1905.

HALLY MORRISON PRENTIS
A.B., University of Missouri, 1905.

WILLARD GLIDDEN RANSOM
Mech.E., Cornell University, 1899. (April 10).

JOHN REBER
A.B., Seton Hall College, 1903.

BLANCHE HORTENSE REITLINGER
A.B., Columbia University, 1905.

OTTO HENRY REY
A.B., German Wallace College, 1901.

IONE ARMENIA REYNOLDS
Ph.B., Syracuse University, 1900.

MARY VIRIGINIA RICE
A.B., University of Texas, 1905.

THEODORE BERTRAM RICHTER
A.B., Harvard University, 1903.

LAWRASON RIGGS, Jr.,
A.B., Columbia University, 1903.

HERBERT ROBINSON RISING
Ph.B., Yale University, 1900.

RUSSELL HURLBUT ROBBINS
A.B., Harvard University, 1904.

RICHARD JOEL ROBERTS
Ph.B., DePauw University, 1895.

JAMES LATIMER ROBINSON
A.B., Columbia University, 1904.

WILLIAM DARWIN ROOT
A.B., University of California, 1902.

MAX ROSENBLATT
Testimonium Maturitatis, Bauer Gymnasium, Vienna, 1898.

WATARU SAKAKIBARA
(Equiv. A.B.)

BENJAMIN OFFUTT SATTERWHITE
A.B., Princeton University, 1904.

MARGARET D. SAXTON
Ph.B., Dickinson College, 1900; A.M., 1902.

SAMUEL SCHLOSBERG
A.B., College of the City of New York, 1900.

FONG FOO SEC
B.L., University of California, 1905.

STELLA WARREN SECREST
A.B., Ohio Wesleyan University, 1893. (April 10).

MARKS SOLOMON SHAINE
A.B., College of the City of New York, 1902.

RALPH LEWIS SHAINWALD, Jr.,
A.B., Columbia University, 1904.
NATHAN SILBERSTEIN
A.B., Columbia University, 1905.
LAZARUS PHENIUS SILVER
B.S., Queen's College (Ontario), 1902. (December 12).
KENNETH MILLER SIMPSON
A.B., Columbia University, 1903.
HERBERT HEEBNER SMITH
A.B., Coe College, 1905.
STELLA BURGER STEARNS
A.B., University of Minnesota, 1892.
HENRY ROOT STERN
A.B., Yale University, 1903.
LUCILE HINKLE STIMSON
A.B., Vassar College, 1904.
SARAH AUGUSTA TAINTOR
A.B., Elmira College, 1898.
SHIRO TAKATA
(Equiv. A.B.), Koto Shogyo Gakko, Japan, 1902.
ISADORE TANZ
B.S., College of the City of New York, 1903.
EDWIN ARTHUR TURNER
A.B., University of Indiana, 1905.
HORACE BURT TUTTLE
Ph.B., Yale University, 1897.
MARY WADDEN
Ph.B., Northwestern University, 1902.
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ALICE JENNIE WALKER
A.B., Mount Holyoke College, 1897.
JANE BELLE WALKER
Ph.B., University of Chicago, 1904.
MARY ADELAIDE ROGERS WALKER (MRS. BARBOUR WALKER)
A.B., Maryland College, 1898; B.S. Columbia University, 1904. (October 11).
KAUFMAN RICHARD WALLACH
A.B., Columbia University, 1904.
FRANK CARMANY WALLOWER
C.E., Princeton University, 1903; E.M., Columbia University, 1906.
ETHEL GEORGINE WEED
A.B., Vassar College, 1903.
LEROY WELLER
A.B., Wesleyan University, 1899.
WILLIAM BENJAMIN WEST
A.B., Mt. Union College, 1900; B.D., Drew Theological Seminary, 1905.
WILLIAM PARKER WHARTON
A.B., Columbia University, 1902.
MAUDE LUCY WHITE
A.B., Smith College, 1899.
MARY THEODORA WHITLEY
B.S., Columbia University, 1905.
DAVID DAY WHITNEY
A.B., Wesleyan University, 1904.
MABEL HUNTER WIANT
A.B., The Woman's College of Baltimore, 1903.

Master of Laws

HOMER LUSK COLLYER
A.B., College of the City of New York, 1902; A.M., Columbia University, 1904; LL.B., 1905.
[2]
LEONHARD FELIX FULD
A.B., Columbia University, 1903; A.M., 1904; LL.B., 1905.

Doctor of Philosophy

PAUL ABELSON
A.B., College of the City of New York, 1899.
Dissertation: The seven liberal arts: study in mediæval culture.
FLOYD APPLETON
A.B., Columbia University, 1893.
Dissertation: Church philanthropy in New York.
HOWARD J. BANKER
A.B., Syracuse University, 1892; A.M., Columbia University, 1900.
Dissertation: A contribution to a revision of the North American Hydnaceæ.
REDERIC COLUMBUS BLAKE
Ph.B., University of Colorado, 1901.
Dissertation: The reflection and refraction of electrical waves by screens of resonators and by grids. (November 14).
ELIZABETH HICKMAN DU BOIS
A.B., Cornell University, 1897; A.M., Columbia University, 1901.
Dissertation: The influence of a stress accent in Latin poetry.
WILLIAM KENNETH BOYD
A.B., Trinity College (N.C.), 1897; A.M., 1898.
Dissertation: The ecclesiastical edicts of the Theodosian Code. (January 23).
IRA DETRICH CARDIFF
B.S., Knox College, 1897.

Dissertation: A study of synapsis and reduction.

MARIO EMILIO COSENZA
A.B., College of the City of New York, 1901.
Dissertation: Official positions after the time of Constantine.
(February 13).

FREDERICK VAN DYKE CRUSER
B.S., Columbia University, 1903; A.M., 1905.
Dissertation: The insoluble chromicyanides.

MICHAEL MARKS DAVIS, Jr.
A.B., Columbia University, 1900.
Dissertation: Gabriel Tarde, an essay in sociological theory.

JASPER NEWTON DEAHL
A.B., Harvard University, 1893; A.M., Columbia University, 1899.
Dissertation: Imitation in education, its nature, scope, and significance.
(April 10).

JOHN DRISCOLL FITZ-GERALD
A.B., Columbia University, 1895.
Élève titulaire de l'École pratique des Hautes Études (Section des sciences historiques et philologiques). Paris, 1897; Élève diplômé, 1902.
Dissertation: Versification of the *Cuaderna Via* as found in Berceo's *Vida de Santa Domingo de Silos.*

JOHN LEWIS GILLIN
Lit.B., Upper Iowa University, 1894; A.B., Iowa College, 1895; A.M. Columbia University, 1903; B.D., Union Theological Seminary, 1904.
Dissertation; The Dunkers—a sociological interpretation.

HENRY ALLAN GLEASON
B.S. University of Illinois, 1901; A.M., 1904.
Dissertation: A revision of the North American Vernonieæ.

JOSEPH GRÉGORIE DE ROULHAC HAMILTON
A.M., University of the South, 1900.
Dissertation: Reconstruction in North Carolina.

LEONARD WILLIAMS HATCH
A.B., Oberlin College, 1892; A.M., University of Wisconsin, 1893.
Dissertation: Government industrial arbitration.
(November 14).

SEIJI G. HISHIDA
(Equiv. A.B.,) Gifu Chugaku Gakko. Japan, 1894; A.M., New York University, 1900.
Dissertation: The international position of Japan as a great power.
(January 23).

LOUIS HUSSAKOF
B.S., College of the City of New York, 1900.
Dissertation: Studies on the Arthrodira.

LAMBERT LINCOLN JACKSON
A.B., University of Michigan, 1897; A.M., 1899; B.Pd., Michigan State Normal College, 1899.
Dissertation: The educational significance of sixteenth century arithmetic from the point of view of the present time.

M. KATHERINE JACKSON
A.B. Ohio Wesleyan University, 1898; A.M., 1900.
Dissertation: Outlines of the literary history of colonial Pennsylvania.
(February 13).

CLARENCE WHITNEY KANOLT
B.S., Columbia University, 1902.
Dissertation: The combination of a solvent with the ions.
(November 14).

ALICE MAPELSDEN KEYS
A.B., Columbia University, 1893; A.M., 1897.
Dissertation: The life of Cadwallader Colden.

JOHN LOUIS KIND
A.B., University of Nebraska, 1899; A.M., 1901.
Dissertation: Edward Young in Germany—historical surveys, influence upon German literature, bibliography.

NELSON PRENTISS MEAD
B.S., College of the City of New York 1899; A.M., Columbia University, 1903.
Dissertation: Connecticut as a corporate colony.
(March 6).

ROYAL MEEKER
B.S., Iowa State College, 1898,
Dissertation: History of shipping subsidies.

THOMAS BRENT MOORE
A.B., State College of Kentucky, 1901.
Dissertation: The hemp industry in Kentucky.
(January 23)

RAYMOND CARROLL OSBORN
B.S., Ohio State University, 1898; M.S., 1900.

Dissertation: The origin of vertebrate limbs. Recent evidence upon this problem from studies on primitive sharks.

FRED JAMES PACK
B.S., University of Utah, 1904; A.M., Columbia University, 1905.
Dissertation: The geology of Pioche, Nev., and vicinity.

ANNINA PERIAM
A.B., The Woman's College of Baltimore, 1898; A.M., Columbia University, 1901.
Dissertation: Hebbel's Nibelungen. (December 12).

HARRY GRANT PLUM
Ph.B., Iowa State University, 1894; A.M., 1896.
Dissertation: The Teutonic Order and the secularization: A study in the Protestant revolt.

THOMAS THORNTON READ
E.M., Columbia University, 1902.
Dissertation: The amalgamation of gold ores.

BENJAMIN WILLARD ROBINSON
A.B., University of Chicago, 1901; Ph.D., 1904.
Dissertation: The largeness of the imagery in the Deutero-Isaiah.

CHARLES BUDD ROBINSON
A.B., Dalhousie College, 1891.
Dissertation: The Chareæ of North America.

HARVEY AMBROSE SEIL
A.B., Columbia University, 1903.
Dissertation: Further investigations in the quinazoline group.

ALVA WALKER STAMPER
B.S., University of California, 1895; A.M., Columbia University, 1905.
Dissertation: A history of the teaching of elementary geometry with reference to present day problems.

HOLLAND THOMPSON
Ph.B., University of North Carolina, 1895; A.M., Columbia University, 1900.
Dissertation: From cotton field to cotton mill.

JOHN FAIRFIELD THOMPSON
B.S., Columbia University, 1903.
Dissertation: Platinum silver alloys.

EVERETT LUNN THORNDIKE
A.B., Wesleyan University, 1902; A.M., Columbia University, 1903.
Dissertation: The place of magic in the intellectual history of Europe. (December 12).

FREDERIC LYMAN WELLS
A.B., Columbia University, 1903; A.M., 1904.
Dissertation: Linguistic lapses, with especial reference to the perception of linguistic sounds.

JAMES MICKEL WILLIAMS
A.B., Brown University, 1898; B.D., Union Theological Seminary, 1900.
Dissertation: An American town: a sociological study.

SAMUEL ROBINSON WILLIAMS
Ph.B., Iowa College, 1901; A.M., University of Nebraska, 1903.
Dissertation: On the reflection of cathode rays from thin metallic films.

JOHN HOWARD WILSON
A.B., Polytechnic Institute Brooklyn, 1895; A.M. Columbia University, 1905.
Dissertation: Glacial history of Nantucket and Cape Cod, with an argument for a fourth centre of glacial dispersion in North America.

HONORARY DEGREES

Conferred, unless otherwise mentioned, at Commencement, June 13, 1906

Master of Arts

THE REVEREND WILLIAM GREENOUGH THAYER, B.D., A.M.
Headmaster of St. Mark's School, Southboro, Massachusetts

Doctor of Science

DANIEL GIRAUD ELLIOT
Curator of Zoölogy, Field Columbian Museum, Chicago, Illinois

BARON KANEHIRO TAKAKI, M.D., F.R.C.S.
Surgeon General (Reserve) of the Japanese Navy

Doctor of Laws

BARON JUTARO KOMURA
(September 27, 1905)

HIS EXCELLENCY JOAQUIM NABUCO
Ambassador of Brazil to the United States

THE HONORABLE EDWARD PATTERSON
Justice of the Supreme Court of the State of New York

REVEREND WILLIAM JEWETT TUCKER, D.D.
President of Dartmouth College

BENJAMIN IDE WHEELER, Ph.D.
President of the University of California

SERGUIS IULEVITCH WITTE
(September 27, 1905)

COMMENCEMENT CALENDAR, 1906

May 28—June 2—Teachers College Exhibition.
June 5—Barnard College Class Day.
June 10—Baccalaureate Service, Rev. S. Parkes Cadman, D.D., Preacher.
June 11—Columbia College Class Day; Teachers College River Day.
June 12–18—Architectural Exhibition.
June 12—Phi Beta Kappa Meeting and Oration.
June 13—Commencement, Conferring of Degrees and Award of Honors; Presentation of University Flagstaff by Class of '81; Alumni Luncheons; Anniversary Dinners; Decennial Celebration.

FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

NOTE.—Unless otherwise provided, all stipends of Fellows and Scholars shall be paid in equal semi-annual instalments on the second Wednesday of each half-year. Before being entitled to receive either instalment of his stipend, each Fellow and Scholar is required to report himself in writing to the Registrar as in residence, on or before the opening day of each half-year.

Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium. The provisions regarding the maximum fee for the higher degrees do not apply to them.

General Regulations

The following regulations apply, unless the contrary is specifically stated, to the award of all fellowships and scholarships:

In each case application must be made in writing on a blank prepared for the purpose which may be obtained from the Secretary of the University: for fellowships it should be filed on or before March 1; for scholarships on or before May 1. Applications and documents received in support thereof later than these dates or not distinctly indicating the name of the candidate and the fellowship or scholarship for which he applies may fail of consideration. As an evidence of graduation, a printed certificate is preferable to the formal diploma itself as there is risk that the latter may be lost or injured in transit.

The appointment is in each case for one year dating from July 1. Candidates will be notified as promptly as possible as to the success of their applications. If the applicant wishes the documents which he has submitted returned to him by mail he should enclose postage for the purpose, otherwise they will be held until called for.

All Fellows and Scholars, as hereinafter provided, shall reside in New York City or its vicinity during the academic year, unless permission be granted by the Council to study elsewhere. No Fellow or scholar may pursue a professional or technical course of study during his term.

The conditions under which the appointment may be granted are indicated in the following paragraphs:

UNIVERSITY FELLOWSHIPS

Fourteen fellowships, of the value of $650 each, known as "University Fellowships," are awarded annually by the University Council at its stated meeting in April, to those graduates of colleges and scientific schools, not over thirty years of age, who show themselves especially

fitted to pursue courses of higher study and original investigation. The candidate must give evidence:

(*a*) of a liberal education, such as a diploma from a college or scientific school of good repute;

(*b*) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(*c*) of upright character, such as a testimonial from some instructor.

A Fellow may be reappointed for reasons of weight, but not for more than two terms of one year each.

As these fellowships are awarded as honors, those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the list of Fellows. In such cases additional University Fellows may be appointed.

Vacancies shall be filled in the same manner in which original appointments are made.

Every Fellow will be expected to perform such duties as may be allotted to him in connection with a course of study leading to the degree of Doctor of Philosophy. He will be expected to devote his time to the prosecution of special studies under the direction of the head of the department in which his major subject lies, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

No Fellow shall be allowed to accept remunerative employment or to give instruction or assistance in any department of the University except by permission of the President, and the acceptance of any such employment, without such permission, shall operate to vacate the fellowship.

University Fellows, 1906–07:

FRANK CHESTER BECKER.....*Philosophy*
HENRY KREITZER BENSON.....*Physical Chemistry*
ROBERT EMMET CHADDOCK.....*Sociology*
CLAUDE MOORE FUESS.....*English*
CARL FREDERICK L. HUTH.....*Ancient and Mediæval History*
NICHOLAS AUGUST KOENIG.....*Semitic Languages*
FRANCIS CHURCH LINCOLN.....*Geology*
JOHN ANGUS CAMPBELL MASON.....*Modern European History*
EDWARD MCCHESNEY SAIT.....*Political Science*
EDWARD SAPIR.....*Linguistics and Anthropology*
FRED JAY SEAVER.....*Botany*
ARTHUR BRUCE WALKER.....*Physiological Chemistry*
HAROLD WORTHINGTON WEBB.....*Physics*
CHARLES CLARENCE WILLIAMSON.....*Political Economy*

Honorary Fellows:

GEORGE WILBER HARTWELL.....*Mathematics*
HOWARD LEE MCBAIN.....*Constitutional Law*
ALFRED HORATIO UPHAM.....*Comparative Literature*
HARLAN HARVEY YORK.....*Botany*

SPECIAL FELLOWSHIPS

Unless otherwise specified, the regulations as to the mode of application for the following fellowships, and the conditions governing their award and tenure, are the same as those for University fellowships (see *ante*). Candidates should indicate clearly upon their application-blanks the fellowship for which they are applicants.

Tyndall and Barnard Fellowships

The Tyndall Fellowship for the Encouragement of Research in Physics, endowed by Professor John Tyndall, and of an annual value of $648, and the Barnard Fellowship for Encouraging Scientific Research, endowed by the bequest of the late President Barnard, annual value $500, are awarded annually under the following conditions: The Tyndall Fellowship is available for one or more American pupils who may have shown decided talent in physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigations in that department of learning, and is awarded either to a graduate of the University or to a student in it (not necessarily a candidate for a degree) upon the recommendation of the head of the Department of Physics. The Barnard Fellowship is awarded upon the joint recommendation of the Faculties of Columbia College, Applied Science, and Pure Science to a graduate of any one of them who, having shown decided aptness for physical investigation, is disposed to devote himself thereto for some years continuously. The recommendation must in each case be made to the President on or before April 1. The appointment is for the term of one year, but the incumbent shall be eligible to reappointment.

It is the duty of a John Tyndall or Barnard Fellow to devote himself faithfully to the investigation of some subject in physical science at this University, or at some other in this country or abroad, under the supervision of some known physicist approved by the President and the head of the Department of Physics. He shall make a report, certified to by the physicist superintending and directing him, quarterly to the President, giving an account of the work in which he has been engaged during the three months preceding.

Tyndall Fellows:

1891–92 WILLIAM H. FREEDMAN
1892–93 CHARLES R. MANN
1894–95 CHARLES R. MANN
1895–97 WALTER WHEELER COOK

1897–98 No incumbent
1898–1901 Robert Bowie Owens
1901–03 Bergen Davis
1903–04 Frank Leo Tufts
1904–07 Frederic Columbus Blake

Barnard Fellows:

1894–96 William Lispenard Robb
1896–97 No incumbent
1897–1900 Heinrich Ries
1900–03 John Alexander Mathews
1903–05 William Campbell
1905–07 Clarence Whitney Kanolt

Adams Research Fellowship

The Ernest Kempton Adams Research Fellowship, founded by Mr. Edward Dean Adams, in memory of his son, Ernest Kempton Adams, E.E. '97, A.M. '98, is of an annual value of $1250. The appointment may be made from among the faculties, teaching staff, alumni, or students of Columbia University. The incumbent of the fellowship shall prosecute researches either in Columbia University or elsewhere, in the physical sciences, in psychology, or in their practical applications. The results of the investigations of the incumbent of the fellowship are published and distributed by the University under the title of "Researches of the Ernest Kempton Adams Research Fellows of Columbia University."

Ernest Kempton Adams Research Fellow:

1905–07 Ernest Fox Nichols

Class of '70 Fellowship

There is a fellowship known as the "Class of '70 Fellowship," of the annual value of $500, which, after the expiration of the term of the present incumbent, shall be filled by the University Council, subject to such regulations as may be prescribed.

Class of '70 Fellow:

1896– — Lewis Buffet Carll

George William Curtis Fellowship

The George William Curtis Fellowship is awarded for a term of two years upon the recommendation of the Faculty of Political Science in every third year, the next award being July 1, 1907. The Curtis Fellow shall be entitled to receive during his incumbency the net income of the endowment of $10,000 (in 1904–05, $400 annually), accruing during a period of three years, and proportionately for any part of the term.

Candidates shall submit an essay or address on the "Immediate Duty of the American Citizen," in addition to complying with the requirements of candidates for University fellowships.

The Fellow shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York;

and at or before the conclusion of his second year he shall publish (*a*) a monograph satisfactory to the Faculty of Political Science on some subject relating thereto, and (*b*) a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed.

George William Curtis Fellows:

1901–02 James Wilford Garner 1902–04 Charles Austin Beard
1904–06 Charles Grove Haines

Drisler Fellowship

The Henry Drisler Fellowship in Classical Philology, established in 1894 in commemoration of the semi-centennial in the service of the University of Professor Henry Drisler, A.B., 1839, is of the annual value of $650, and is open to Bachelors of Arts of this University, or some other institution of equivalent standing, who have studied Greek and Latin throughout their undergraduate course, and who have an adequate knowledge of French and German. They must present testimonials from their instructors in Greek and Latin as to the quality of their work, and give evidence of fitness for advanced study and research, either by a special examination, or by an essay embodying the results of research in some department of classical study.

The appointment is made by the University Council on the joint recommendation of the professors of Greek and Latin. Recommendations should reach the President on or before April 1, and reappointments may be made for not more than two terms of one year each.

The Fellow must study at this University under the direction of the professors of Greek and Latin, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens, or in the American School of Classical Studies in Rome.

Drisler Fellows:

1894–96 John Kasson Lathrop
1896–97 George N. Olcott
1897–98 William T. F. Tamblyn
1898–99 Corliss Fitz Randolph
1899–1900 Edward Charles Harwood
1900–01 Bert Hodge Hill
1901–02 No incumbent
1902–03 Harwood Hoadley
1903–04 Walter Whipple Arnold
1904–05 No incumbent
1905–06 Macon Anderson Leiper
1906–07 Charles Jones Ogden

Garth Fellowship

The Granville W. Garth Fellowship in Political Economy is awarded each year. The successful applicant for the fellowship shall be entitled to receive the net annual income of the capital sum of the Granville W. Garth Memorial Fund of $16,250. See page 446.

Garth Fellow:

1905–06 MEYER JACOBSTEIN
1906–07 JAMES HENRY GILBERT

Gottsberger Fellowship

The Gottsberger Fellowship, awarded every second year, is open only to candidates who, having first taken a degree in Columbia College, have been for not less than two years resident graduate students of Columbia University, taking also the degree of Master of Arts. The holder may with the consent of the professor in charge of his major subject of study, and with the approval of the President, pursue his studies abroad. The Fellow so appointed receives the net income for two years of the capital sum of $9500 constituting the Cornelius Heeney Gottsberger Scholarship Fund.

Gottsberger Fellow:

1905–06 GEORGE CHRISTIAN OTTO HAAS

Mosenthal Fellowship

The Mosenthal Fellowship, established in memory of the late Joseph Mosenthal, is designed to aid talented students of musical composition, either men or women, in the study of their art. The stipend is the net income for two years of the capital sum of $7500. It is awarded every second year by the Council upon the recommendation of the Professor of Music, and is tenable for one year.

Applicants are required to show a thorough knowledge of harmony and of counterpoint and some ability to compose, by submitting a number of original compositions in support of their applications.

The holder must devote himself to the study of musical composition at Columbia University, or, with the approval of the President and the Professor of Music, abroad. In the former case, he shall be required, in addition to his studies in Music, to pursue such other studies in at least two departments of the University as the Professor of Music may direct. In either case, the Fellow shall submit, at such times as the Professor of Music may designate, the results of his work in musical composition.

Mosenthal Fellows:

1899–1901 MARY ANGELA DILLER
1901–02 No incumbent
1902–04 FRANK EDWIN WARD
1904–05 BENJAMIN LAMBORD
1905–06 No incumbent
1906–07 WILLIAM JACOB KRAFT

Proudfit Fellowship in Letters

The Alexander Moncrief Proudfit Fellowship in Letters for the encouragement of the study of English Literature, founded by the bequest of Alexander Moncrief Proudfit, is open to any son of native-born American parents who shall have taken the degree of Bachelor

of Arts after three years' residence in Columbia College, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made by the Council upon the joint recommendation of the professors in the Department of English. The Fellow shall be entitled to receive during his incumbency the net income of the sum of $13,875 (in 1904–05, $555). He shall carry on his studies and research at Columbia University, or elsewhere, under the direction of the professors in the department named.

Proudfit Fellows in Letters:

1900–03 John Erskine
1903–05 Stanley Kidder Wilson
1905–06 No incumbent
1906–07 Charles Francis Lawson

Schiff Fellowship

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, is of an annual value of $600. The appointment is made each year by the Council upon the recommendation of the Faculty of Political Science, which recommendation is based upon the nomination following: On or before April 1 of each academic year the Faculty of Political Science shall propose to Mr. Jacob H. Schiff while living the name of a suitable person for nomination by him. The conditions to govern the nomination after Mr. Schiff's death will be found in the University Statutes.

Schiff Fellows:

1898–1900 William Henry Fry
1900–01 Walter Percy Bordwell
1901–02 Ulrich Bonnell Phillips
1902–03 George Charles Selden
1903–04 Preserved Smith
1904–05 Norris Arthur Brisco
1905–06 Charles Ramsdell Lingley
1906–07 Samuel George Nissenson

Carl Schurz Fellowship

The Carl Schurz Fellowship for the Study of the German Language and Literature is awarded, in every even-numbered year, by the Council, upon the recommendation of the professors of the Department of Germanic Languages and Literatures. The Fellow shall be entitled to receive the net income for two years of the capital sum of $10,000, constituting the endowment contributed by citizens of New York, in commemoration of the seventieth birthday of Carl Schurz. The appointment may be renewed for reasons of weight for a further term of one year, but without additional stipend.

Candidates must present testimonials as to their zeal and success in the study of German, and must by an essay or published treatise give evidence of their fitness for a wider and more profound study of the language and literature and for independent research. They

must also have a sufficient knowledge of Latin and French to use these languages readily in the prosecution of their studies. The holder must study at Columbia University under the direction of the Department of Germanic Languages and Literatures, unless permitted by the Council to study at some German university.

Carl Schurz Fellows:

1902–03 John Louis Kind 1905–06 Allen Wilson Porterfield
1904–05 No incumbent 1906–07 Henry Hermann Louis Schulze

Annual Fellowships

The Treasurer may receive gifts of money for fellowships for one year or more, provided that no fellowship shall be created for less than $500 per annum. Such fellowship shall be filled by the University Council, subject to such regulations as may be prescribed.

UNIVERSITY SCHOLARSHIPS

Thirty University scholarships, of an annual value of $150, are awarded by the University Council at the regular meeting in May to students under the Faculties of Political Science, Philosophy, and Pure Science, who are not over thirty years of age, under the following regulations:

1. They are open to all graduates of colleges and scientific schools whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for one of the higher degrees.

2. They are tenable for one academic year, with a possibility of renewal for one year longer.

3. Applications should be filed in writing, not later than May 1.

4. In the awards preference will be given to those candidates for University fellowships who have failed of appointment after having been recommended therefor by any faculty or department.

5. University scholars will be required to enroll themselves as candidates for a higher degree and to pursue a regular course of study leading thereto.

6. Additional scholars may be appointed by the Committee to fill any vacancies occurring otherwise than by the graduation of an incumbent.

7. A University scholar may relinquish the income thereof without waiving his right to be designated as a University scholar.

8. University scholars may be held liable to serve as proctors at the autumn entrance examinations and at the semi-annual and concluding examinations without fee. They will not be called upon for service at times that interfere with their own academic work. Due notice of their assignments will be sent to them.

University Scholars, 1906–07:

Gustavus Edwin Anderson.....*Geology*
George Byron Louis Arner.....*Sociology*
Fritz Walter Baldwin, Jr.....*History*
Norman Towar Boggs.....*Comparative Literature*
Livingston Corson.....*Germanic Languages*
McQuilkin De Grange.....*Comparative Literature*
William Burns Duff.....*Economics*
Dean Spruill Fansler.....*English*
Gaston Simmons Foote.....*English*
Eiji Morita Fukano.....*Economics*
Thomas Green.....*Ethics*
Walter Phelps Hall.....*History*
Thomas Wyatt Holmes.....*Chemistry*
Tanizo Koyama.....*Economics*
Joseph Lipke.....*Mathematics*
Frank Carlton Loring.....*Electrical Engineering*
Joseph Albert Mosher.....*English*
Benoni Austin Place.....*Zoölogy*
Harry Wilfred Reddick.....*Mathematics*
Frank Humphrey Ristine.....*English*
Charles McGibeney Roberts.....*Administrative Law*
Joseph Henderson Smith.....*Romance Languages*
Charles Arthur Stewart.....*Geology*
Benjamin Franklin Tillson.....*Mining*
Solomon Vineberg.....*Political Economy*
Axel Reynold Wallin.....*Latin*
William Asbury Whitaker, Jr.....*Chemistry*
Lawrence Augustus Wilkins.....*Romance Languages*
Ernest Hunter Wright.....*English*

President's University Scholarships

Eight additional scholarships, known as the President's University Scholarships, are awarded by the University Council, governed by the regulations attached to the University scholarships, and by such further regulations as may from time to time be adopted.

President's University Scholars, 1906–07:

Dwight Albert Bartlett.....*Chemistry*
Arthur Donaldson Emmet.....*Physiological Chemistry*
Pierce Philip Ferris.....*Philosophy*
Jesse Earl Hyde.....*Geology*
Raymond Edwin Merwin.....*Anthropology*

University Scholarships for Women

Four University scholarships, known as the Curtis University

Scholarships, will be awarded annually to women students under the Faculties of Philosophy, Political Science, and Pure Science. These scholarships are awarded under the same regulations as those governing the University scholarships.

Curtis University Scholars, 1906–07:

ANNA MORRELL BARNARD ..... *Latin*
MABEL EMMA BROWNE ..... *Mathematics*
JANET NEWLAND HARRIS ..... *Germanic Languages*
MARY LOUISE MARK ..... *Sociology*

SPECIAL SCHOLARSHIPS

Richard Butler Scholarship

The Richard Butler Scholarship, tenable for one academic year, with the possibility of renewal for each of two years more, for the benefit of male students born in the State of Ohio, is open for competition to qualified candidates who propose to enter any college, or school of the University (except Teachers College or the College of Pharmacy). The annual value is the income of a fund of $5000, given for the establishment of the scholarship with a maximum stipend of $150.

Applications should be made under the same regulations as those for University Scholarships.

Richard Butler Scholar:

1904–07 OTHO LEE MONROE

Pulitzer Scholarships

Through the generosity of Mr. Joseph Pulitzer, male graduates of the public high-schools of Manhattan and the Bronx, not to exceed forty at any time, are awarded scholarships upon competitive examination. Each scholarship so awarded may be held for a period of four years in the College or in any department of the University except the Medical School. The scholarship will be withdrawn if at any time the holder fails to maintain a satisfactory standard in his academic work. During his term the scholar receives from Mr. Pulitzer the sum of $250 a year over and above the cost of his tuition. Full information regarding the conditions under which these scholarships are awarded will be furnished, upon application, by the Secretary of the University.

John D. Jones Scholarship

The Wawepex Society makes annual provision for a scholarship amounting to $200 and including the use of a table at the biological laboratory at Cold Spring Harbor, L. I. The award is made by the Council upon the recommendation of the Department of Zoölogy.

John D. Jones Scholars:

1898–99 Francis Bertody Sumner
1899–1900 John Cutler Torrey
1900–01 Frederick Clark Paulmier
1901–02 William E. Kellicott
1902–03 Charles Zeleny
1903–04 Louis I. Dublin
1904–05 Charles Rupert Stockard
1905–06 John Howard McGregor
1906–07 David Day Whitney

Annual Scholarships

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such scholarship shall be for a less sum than the annual tuition fee of the College or of the school in which it is provided.

MEDALS AND PRIZES

Essays submitted in competition for any of the following should, unless otherwise indicated, be submitted to the Secretary of the University not later than May 1, in the year of award. The awards are announced at Commencement and, unless otherwise indicated, are annual.

National Society of the Sons of the American Revolution Medal

For information as to the award of the medals offered by this Society, apply to the Secretary of the University.

Barnard Medal

A gold medal of the value of $200 established by the provisions of the will of President Barnard and endowed by him, known as the "Barnard Medal for Meritorious Service to Science," is awarded quinquennially to such person, if any, whether a citizen of the United States or any other country, as shall within the five years next preceding have made such discovery in physical or astronomical science, or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor.

Awards

1895 Lord Rayleigh and Professor William Ramsay
1900 Professor Wilhelm Conrad von Röntgen
1905 Professor Henri Becquerel

Bennett Prize

A prize established through a gift of $1000 from Mr. James Gordon Bennett, may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporaneous interest in the

domestic or foreign policy of the United States, the subject for 1906–07 being " The Railway Rate Question in the Light of the Amended Interstate Commerce Act." The competition is open to students not holding a baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science.

No Award in 1906

Bunner Medal

The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essays to be handed in on May 1, 1907 is "The Hartford Wits."

Award of 1906

MAX JOHN HERZBERG

Loubat Prizes

Mr. Joseph F. Loubat has endowed two prizes of $1000 and $400, respectively, for the best works published in the English language upon the history, geography, archæology, ethnology, philology, or numismatics of North America. The next award will be made in 1908. Competition is open, under the deed of gift, to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treaties shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to insure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted. For names of the Committee of Award for 1908, and for further details, address the Secretary of the University.

Award of 1893: First Prize, HENRY ADAMS, for his "History of the United States of America during the Administrations of Jefferson and Madison."

Second Prize, A. F. BANDELIER, for his "Report of Investigations among the Indians of the Southwestern States."

Award of 1898: First Prize, WILLIAM HENRY HOLMES, for his work entitled "Stone Implements of the Potomac—Chesapeake Tidewater Province."

Second Prize, FRANZ BOAS, Ph.D., for his monograph entitled "The Social Organization and the Secret Societies of the Kwakiutl Indians."

In 1903, no Award

Grant Squires Prize

The Grant Squires Prize, the income for five years of a fund of $1000, established by Grant Squires, A.B. '85, LL.B. '87, is awarded at the close of every quinquennial period, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology, and one of the professors of Political Economy, appointed by the Faculty of Political Science. The next award will be in 1910. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research.

Award of 1905

EDWARD W. CAPEN

Toppan Prize

A prize known as the Robert Noxon Toppan Prize, the income of an endowment of $4000, in memory of Robert Noxon Toppan, LL.B. '61, is awarded annually to the member of the School of Law or of Political Science who shall pass the best written examination upon a paper prepared by the Professor of Constitutional Law.

Award of 1906

LEONHARD FELIX FULD

Prizes of the Dante Society

The Dante Society of Cambridge, Mass., offers an annual prize of $100 for an essay on a subject drawn from the life or works of Dante. This prize is open to competition by students of Columbia University and by graduates of not more than three years' standing. For particulars, see the announcement of the Division of Modern Languages.

Prizes of the New Jersey Alumni Association

Two prizes of $50 each are awarded annually by the New Jersey Alumni Association to the New Jersey students who pass the best entrance examinations to Columbia College and the Schools of Applied Science, respectively; with the proviso that before the award these students shall complete satisfactorily one half-year of academic work.

Awards of 1906

Columbia College—ALBERT ERNST LOBECK, '09
Schools of Applied Science—EDWARD STANTON BROWN, '09

Scholarships and Prizes in Columbia College

Seventy-two scholarships, of the annual value of $150 each, are open for competition in Columbia College. All scholarships are intended to be academic honors. Award is made, with the exception of the scholarships depending upon entrance examinations, by the Committee on Scholarships. Unless otherwise indicated, application for award for each year of incumbency must be made on or before May 1, on blanks furnished by the Secretary of the University. Awards will be announced not later than July 1.

No student who has incurred serious academic censure, or who obtains leave of absence for the year of appointment, will be considered for reappointment. Failure to maintain a grade of at least C in all courses taken may, and in the case of competitive scholars will, vacate the scholarships. Vacancies may be filled at the discretion of the Committee. Payment of one or both instalments of the stipend may be withheld if the student proves undeserving.

Section I—Competitive Scholarships awarded, not later than July 15 in the order given, by the Committee on Admissions to those qualified Freshmen who pass in June the best entrance examinations in subjects aggregating the fifteen points requisite for admission. The examination may be taken at any point in Greater New York where examinations are held by the College Entrance Examination Board. No applications are required from candidates for first appointment. Reappointments are made under the general regulations of the Committee on Scholarships.

Alumni Competitive Scholarships 4
Founded by the Trustees in 1890, one awarded annually.

For 1906–07:

Class of 1907—George Frederick Comstock
Class of 1908—William Schreiber
Class of 1909—Herbert Calvin Skinner
Class of 1910—Joseph George Ginsburg

Hewitt and Harper Scholarships (2 each) 4
Endowed by the gift of Abram S. Hewitt, LL.D., of the Class of 1842, and by the bequest of Joseph W. Harper, A.M., of the Class of 1848. One open annually for competition to graduates of New York City high schools.

For 1906–07:

Hewitt, Class of 1907—Michael Solomon
Harper, Class of 1908—Clement S. Brainin
Hewitt, Class of 1909—Francis Salzano
Harper, Class of 1910—Arthur Yokel

Brooklyn Scholarships..... 12—20

Founded by the Trustees in 1895, in recognition of ex-President Low's gift of a memorial building for the University Library. Three are open for competition annually to residents of Brooklyn trained either in the public or the private schools of that borough.

For 1906–07:

Class of 1908—William Henry Allen, Jr.
Louis Jacob Wolff
Ira Skutch
Class of 1909—Charles Rivers Carrol
Gerard Alston Reichling
Class of 1910—Carl Fritz Hüttlinger
Mortimer Brenner
Paul William Aschner

SectionII— General Scholarships awarded to applicants whose record for ability and scholarship obtained either before or after matriculation gives evidence of special fitness for the course of study which they wish to pursue. Candidates in their first year of residence at Columbia University must be strongly recommended by the college or school from which they have come, and have shown marked proficiency or promise in college work. Students not in need of financial aid cannot be considered as applicants, nor can those who through physical, mental, or moral weakness give little promise of future usefulness.

A. Open to members of any class:

Faculty Scholarships established by the Trustees..... 6

Beck Scholarship..... 1

Established in recognition of the liberality of Charles Bathgate Beck, A.B., 1877, LL.B. 1879.

Campbell Scholarships..... 2

In memory of Robert B. Campbell, 1844, and Henry P. Campbell, 1847, established by Miss Maria L. Campbell and Miss Catharine B. Campbell.

Class of 1848 Scholarships..... 2

Established through the liberality of a member of the Class of 1848.

Scholarships of the Society for Promoting Religion and Learning Scholarships..... 8–19

Founded and awarded by this Society.

B. Open only to Freshmen. The requirements for admission must be completed before matriculation. For award after entrance, applications should be filed not later than November 15. In general awards will not be made later than December 1.

Schermerhorn Scholarships..... 5
Endowed by John Jones Schermerhorn A.B. 1825.

Moffat Scholarships..... 2
Endowed by William B. Moffat, A.B. 1838; M.D. 1842.

Stuart Scholarships..... 2
Endowed in memory of Sidney Barculo Stuart, A.B. 1880; LL.B. 1882; and Eugene Talman Stuart, A.B. 1881, Ph.B. 1882, LL.B. 1883, by their grandmother, Cornelia A. Atwill.

Alumni Association Scholarships..... 4—13
Established by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College.

C. For award to students not less than one year in residence:

Benefactors Scholarships. Morgan (5), Vanderbilt (5), A. A. Low (3), Cutting (2), Clark (2), Sloan (1), Parish (1), Schiff (1) —20
Established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site on Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others, designated collectively as "Benefactors Scholarships," of which twenty have been assigned to the College. ——72

Prize of the Alumni Association

A prize of fifty dollars in money or its equivalent "to the most faithful and deserving student of the graduating class" was established in 1858 by the Association of the Alumni of Columbia College. The graduating class selects the incumbent from three names submitted to it by the Faculty; or if, ten days prior to Commencement, the class should notify the President of the University of its failure to make a selection, the award may be made by the Faculty.

Names Submitted in 1906

Wilbur Larremore Caswell (selected by Faculty for prize)
William Leopold Essex
Robert Walker Macbeth

Chanler Historical Prize

By the bequest of J. Winthrop Chanler, A.B. '47, the income of $1000 is awarded annually, on Commencement Day, to the member of the senior class of Columbia College who, in the judgment of the Faculty, shall be the author of the best original manuscript essay on the history of civil government in America, or some other historical subject, the subject for 1907 being "Negro Suffrage and Its Effects, 1865–75."

No Award in 1906

Curtis Medals

An endowment fund of $1000 has been established by an associate of the late George William Curtis in the work of Civil Service Reform, for the award of two medals of gold and silver for excellence in public delivery of English orations to students in Columbia College. Competitors must be either third or fourth year students in regular standing, or in exceptional cases, and with permission of the Dean, special students taking corresponding courses amounting to not less than 12 hours a week. The Department of English publishes about November 1 a list of subjects for the competition. Subjects not on the list may be chosen with the consent of the department provided that application be made not later than December 1. The contestants will be selected by the department at a preliminary competition which will not be open to the public. The final public competition will be held not less than two weeks later. The award will be made by judges appointed by the President.

Award of 1906

Gold Medal—Pkà Isaka Seme, '06
Silver Medal—Maurice G. Ellenbogen, '07

General Theological Seminary Prizes

Regulations as to the Seminary prizes adopted by the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York, at a stated meeting held on April 25, 1900:

Notice shall be given every year of the conditions of the prizes under the old regulations (see Announcement of the College for 1900–01, page 72), and applications invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the new regulations set forth each year in the *Announcement of Columbia College*.

The Society's Greek Seminary Prize amounts to $30 and the Society's English Prize to $20.

Award of 1906

Greek—Wilbur Larremore Caswell
English—No Award

Award of Honors, Columbia College, 1906

(See page 191)

Departmental Honors

English — William Grant Palmer, *Junior*
Charles Mayer, *Sophomore*

German — Abraham Broderick Cohen, *Final*

History — Alexander Holtzoff, *Sophomore*
Bernard Abraham Rosenblatt, *Sophomore*

Mathematics — Henry Blumberg, *Junior*
Clement S. Brainin, *Junior*
Winfred Scribner Mabee, *Junior*
Albert Ernst Lobeck, *Sophomore*
Charles Mayer, *Sophomore*
Clare Edwin Nighman, *Sophomore*

Romance Languages — Frank Warner Bishop, *Freshman*

Zoölogy — Robert Henry Haskell, *Junior*
Abraham Bessie, *Sophomore*
Louis Edward Bisch, *Sophomore*
Hyman Rudolph Miller, *Sophomore*
Frank Warner Bishop, *Freshman*

Highest Final General Honors
Wilbur Larremore Caswell

General Honors

Class of 1906
Walter Sichel
Abraham Roderick Cohen
James Leroy Stockton
Walter Leo Solomon
Carl Brands
Frank Benedict Lippmann
Eugene Lyons Bondy

Class of 1907
Robert Henry Haskell
Isaac Maurice Wormser
Clair Elwood Ames
William Grant Palmer
Frederick William Zons
Charles Henry Reges

Class of 1908
Walter Bligh Woodbury
Alexander Holtzoff
Henry Blumberg
Frederick Adolph Herman Leuchs
Charles Mayer

Class of 1909
John George Hanrahan, Jr.
Albert Louis Baum
Gerard Alston Reichling
Louis James San
Clare Edwin Nighman

Scholarships and Prizes in the School of Law

Twenty-one scholarships of the annual value of $150 each are available annually for award to candidates for the degree of Bachelor

of Laws standing in need of pecuniary aid and whose record for ability and scholarship gives evidence of special fitness for the work of the school.

The scholarships will be awarded by the Faculty at its meeting in June, immediately preceding Commencement. Scholarships not allotted at the June meeting, or becoming vacant, may be filled by the Faculty at its discretion. The awards will be made public not later than July 1.

Benefactors Scholarships.—Eight Morgan and eight Vanderbilt Scholarships, known as Benefactors Scholarships, may be awarded to students who have been in the school for at least one year.

Faculty Scholarships.—Four Faculty Scholarships of the annual value of $150 each may be awarded to members of any class.

Beck Prize Scholarships.—The Charles Bathgate Beck Prize Scholarship is awarded to the member of the first-year class in the Law School who, having reported himself in writing to the Dean as a candidate for this scholarship, shall pass the best examination in the subjects of the Law School course relating to Real-Estate Law. The holder shall, provided he remains a member of the school, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. If two or more students pass examinations of equal merit, the income of the fund may be subdivided.

Fellowships, Scholarships, and Prizes in the College of Physicians and Surgeons

Alumni Association Fellowships

Provision is made annually by the Alumni Association of the College of Physicians and Surgeons for three fellowships, tenable for one year and of an annual value of $500, open to graduates who have shown special aptitude for scientific research in the Departments of Anatomy, Physiology, and Pathology. Appointments are made by the Executive Committee of the Alumni Association from candidates presented by the professors of Anatomy, Physiology, and Pathology.

Incumbents are expected to devote themselves to scientific research in the department which they may elect, either at Columbia University, where they enjoy free tuition and the privileges of the laboratories or in other institutions either here or abroad, at their own expense, and at the end of the year's work to present to the Association a thesis containing evidence of independent or original work in their special department.

For 1906–07:

In Pathology—Oliver Smith Strong

In Anatomy—Hermann von Wechlinger Schulte

Proudfit Fellowship in Medicine

The Maria McLean Proudfit Fellowship, endowed by the late Alexander Moncrief Proudfit, A.B. '92, for the encouragement of advanced studies in medicine, is open to any son of native-born American parents, a graduate in medicine, who shall pursue advanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried, and shall be appointed by the University Council upon the recommendation of the Faculty of Medicine. Appointment shall be made every four years, upon terms to be designated by the Faculty. The Fellow shall carry on his studies under the direction of the Faculty of Medicine.

Proudfit Fellow in Medicine

1904–07 Linsley Rudd Williams

Alonzo Clark Scholarship

By the will of the late Alonzo Clark, M.D., LL.D., for many years President of the College of Physicians and Surgeons, and Professor of Pathology and Practical Medicine, it has been placed in the power of the Faculty to bestow a scholarship, with an income of about $700 a year, for the purpose of promoting the discovery of new facts in medical science.

Award of 1906–07

Augustus B. Wadsworth

Prizes

The following prizes are awarded for the best medical essay submitted under the conditions named in the statement of each prize, and, in addition, under the following general regulations:

Each essay must be marked with a device or motto, and accompanied by a sealed envelope similarly marked and containing the name and address of the author, and a written statement that the essay contains the result of original investigation made by him, that it is not the work of more than one author, and that it has not at the same time been submitted for any other prize. If in any case no essay is received that is deemed sufficiently meritorious, the prize will not be awarded.

Alumni Association Prize

The Alumni Association Prize of $500 is awarded biennially (next award, 1908) to an alumnus of the College of Physicians and Surgeons for the best medical essay submitted upon any subject that the writer may select. Essays should be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1 of the year of award.

No Award in 1906

Cartwright Prize of the Alumni Association

The Cartwright Prize of $500 was endowed by a bequest of $10,000 left by Benjamin Cartwright, and is offered for competition in alternate years with the Alumni Association Prize (next award, Commencement, 1907).

It is awarded on the same terms as the latter, except that it is open to universal competition.

Joseph Mather Smith Prize

The fund for this prize was given by the relatives, friends, and pupils of the late Dr. Smith, as a memorial of his services as Professor in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of $100 is awarded for the best essay on the subject of the year, presented by an alumnus of the College. The competing essays should be sent to the Dean of the College of Physicians and Surgeons on or before March 10.

Stevens Triennial Prize

The Stevens Triennial Prize, value $200, established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, is open for universal competition.

The Dean of the Medical Faculty, the President of the Alumni Association of the College of Physicians and Surgeons, and the Professor of Physiology, are, ex-officio, the administrators of the prize. Essays must be in the hands of the first-named on or before January 1, 1909.

Scholarships

OPEN TO CANDIDATES FOR THE DEGREE OF M.D.

The award of these scholarships is made only to students whose record for ability and scholarship gives evidence of special fitness and who need pecuniary aid to obtain an education. Scholarships are available annually and tenable for one year with an annual value of $250 each.

Harsen Scholarships

The income of a fund established by the late Jacob Harsen, M.D., in 1859, for the purpose of "promoting the study of Medical and Surgical Practice," has, under an order of the Supreme Court, been made available for the award of five scholarships to students in the College of Physicians and Surgeons, in lieu of the Harsen prizes heretofore awarded. Of these scholarships, which are known as the "Harsen

Scholarships," two may be awarded to students taking the second year in the medical course; two to students in their third year; and one to students in their fourth year, provided that the aggregate of the stipends of such scholarships shall not exceed the income earned by the fund during the preceding year.

Faculty Scholarships

These are four in number and may be awarded to members of any class.

Vanderbilt Scholarships

In recognition of the liberal gifts of William H. Vanderbilt to the College of Physicians and Surgeons, four scholarships, to be known as the "William H. Vanderbilt Scholarships," have been established. These are open to students of any class.

Scholarships and Prizes in the Schools of Mines, Chemistry, and Engineering

Thirty-five scholarships of the annual value of $250 each are available annually for award to meritorious candidates for professional degrees in Applied Science, who are in good academic standing, and in need of pecuniary aid.

The awards will be made not later than July 1 by the Committee on Scholarships. Scholarships not allotted at this time, or becoming vacant, shall be filled by the Committee at its discretion.

In recognition of the liberal gifts for the purchase of the site on Morningside Heights which have been received from J. Pierpont Morgan, Cornelius Vanderbilt, D. Willis James, Morris K. Jesup, Samuel D. Babcock, Oswald Ottendorfer, and others, the Trustees have established a number of scholarships, twenty-seven of which are open to students in the Schools under the Faculty of Applied Science, as follows: seven Morgan, seven Vanderbilt, ten James, one Jesup, one Babcock, and one Ottendorfer. These scholarships may be awarded to students who have been in the University for at least one year.

Benefactors

In addition to the above, eight Faculty scholarships may be awarded to members of any class.

Faculty

Marcus Daly Scholarship in Mining Engineering

The Marcus Daly Scholarship of the annual value of $1000, maintained by Mrs. James W. Gerard in memory of her father, is open to that worker or descendant of a worker in the Montana mines who passes the best competitive entrance examinations to the course in mining engineering. The winner of the scholarship shall hold the same throughout his course in mining engineering, subject to the same conditions of reappointment as those imposed upon the holders of competitive scholarships in Columbia College. As soon as the term

of one holder of the scholarship is about to expire, another competitive examination is held.

Scholar for 1905–07

HENRY FARMER DAVIS

Illig Medals

A bequest of $2000 left by William C. Illig, E.M. '82, provides for the annual award of medals at Commencement to the student or students in the graduating class of one of the Schools of Applied Science, who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies.

Award of 1906

MORTIMER FREUND
LEE OLDS KELLOGG
OTTO KRESS

Darling Prize

The Edward A. Darling Prize in Mechanical Engineering, the income of $1000, bequeathed by Edward A. Darling, formerly Superintendent of Buildings and Grounds, shall be awarded annually to the most faithful and deserving student of the graduating class in mechanical engineering, the recipient of the prize to be chosen by ballot by members of the graduating class in the Course in Mechanical Engineering from among three names to be chosen by the Faculty of Applied Science.

Award of 1906

JAMES CHRISTY BARNABY

Scholarships and Fellowships in the School of Architecture

Columbia Fellowship

The Columbia Fellowship in Architecture, the net income of $13,000, established in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the Department of Architecture, is open each year to graduates of the three preceding years, and is awarded in June as the result of a competition in design. The winner is required to spend a year in the School as a graduate student in Design. The value of this Fellowship in 1905 was $533.

Columbia Fellows in Architecture. (NOTE—Until 1905 this was a travelling fellowship awarded biennially):

1890–91	ARTHUR A. STOUGHTON	1900–01	THEODORE BLONDEL, Jr.
1892–93	HORACE B. MANN	1902–03	ARTHUR WARE
1894–95	SETH JUSTIN TEMPLE	1904–05	HUBERT VAN WAGENEN, Jr.
1896–97	WILLIAM KINNE FELLOWS	1905–07	THOMAS WILLIAM LUDLOW
1898–99	WILLIAM CLARK AYRES		

McKim Fellowships

The McKim Fellowship in Architecture, endowed by gift of Charles F. McKim of $20,000, is open to graduates who have received their degrees within six years preceding its bestowal, and is awarded in May of each year as the result of a competition in design. The holder is required to spend a year in foreign travel and study. Any incumbent who has displayed marked proficiency and promise is eligible to reappointment for one year, but no more. The value of this Fellowship in 1905 was $820.

McKim Fellows in Architecture

1891–92	A. C. M. del Monte
	Alexander M. Welch
1893–95	George Oakley Totten, Jr.
	William Lincoln Thorne
1895–97	John Russell Pope
1897–98	Harry Allan Jacobs
1898–99	John Russell Pope
	Harry Allan Jacobs
1899–1901	Livingston Pell
	William Edward Parsons
1901–02	Charles Ludwig Otto
	Edward Necarsulmer
1903–04	Francis Augustus Nelson
	George Washington Jacoby
1904–05	No incumbent
1905–07	Lucien Easter Smith

Perkins Fellowship

A travelling fellowship, the net income from a fund of $5700, from the bequest of the late Willard P. Perkins, is awarded every fourth year, the next award being in 1910. The conditions of award and the purposes of the fellowship are the same as for the Columbia and McKim Fellowships.

Perkins Fellows

1902–03	Charles Sumner Kaiser
1906–07	Arthur Lobo

Scholarships

Four scholarships of the value of $200 are awarded in the School of Fine Arts, under the same general conditions as those in the Schools of Applied Science.

BARNARD COLLEGE

HONORS

Honors are of two kinds, departmental and general honors. The regulations governing their award are the same as those for the corresponding "Honors in Columbia College," see page 191.

Departmental Honors

English	Alice Dorothy Brewster, *Final* Florence Pauline Lilienthal, *Final* Charlotte Rose Oesterlein, *Third Year* Annie Laurie Manley, *Second Year*
German	Fannie Mayer, *Final*
History	Mildred Adele Wells, *Final*
Mathematics	Mabel Emma Browne, *Final* Clara Helene Schmidt, *Final* Mabel Louise Peterson, *Second Year* Louise May Tattershall, *Second Year*
Zoölogy	Louisa Powell Blackburn, *Final*

Highest Final General Honors
Alice Dorothy Brewster
Alice Haskell

General Honors

Class of 1906
Josephine Paddock
Isabelle Katherine Russell
Elizabeth Iverson Toms

Class of 1907
Gertrude Louise Cannon
Lillian Hellin
Charlotte Rose Oesterlein
Juliet Stuart Points

Class of 1908
Helen Babbette Loeb
Annie Laurie Manley
Florence Martha Wolff

Class of 1909
Florence Atwood Black

There are altogether forty-one scholarships and three special funds for the aid of needy and deserving students.

For a detailed statement of the values of the various scholarships, the conditions under which they are awarded, the regulations regarding applications, and the like, the *Announcement of Barnard College* should be consulted. This may be obtained without charge upon application to the Secretary of Barnard College.

The following is a summary of the scholarships:

Competitive Scholarships

(Awarded for excellence in entrance examinations)

1. *Open to all Students:*

Trustees' Competitive Scholarship..... 1

Winner in 1906

ADELAIDE LOEHRSEN

Jessie Kaufmann Scholarship..... 1

2. *Open to Particular Students:*

Brooklyn Scholarships..... 12

None of the scholarships of the series 1906–1910 were won by competitive entrance examinations in June, 1906. They consequently reverted to the Scholarship Committee and were awarded in September as non-competitive scholarships.

Lucille Pulitzer Scholarships..... 3

Non-competitive Scholarships

(Awarded on the nomination of the Committee on Scholarships of the Faculty to worthy students who have passed at least one year in College)

1. *Open to all Students:*

Student Scholarships..... 12
Ella Weed Scholarship..... 1
Veltin School Scholarship..... 1
Jennie B. Clarkson Scholarship..... 1
Emily James Smith Scholarship..... 1
Anna E. Barnard Scholarship..... 1
Brearley School Scholarship..... 1
Eliza Taylor Chisholm Memorial Scholarship..... 1
Graham School Scholarship..... 1
Keller School Scholarship..... 1

2. *Open to Particular Students:*

Mrs. Donald McLean Scholarship..... 1
Emma Hertzog Scholarship..... 1
Mrs. Henry Clarke Coe Scholarship..... 1

3. *Special Funds for the Aid of Needy and Deserving Students:*

Arthur Brooks Fund, income of $5,000
Fiske Scholarship Fund, income of $5,000
George W. Smith Scholarship Fund, income of $5,000

Prizes

Herrman Botanical Prize of $50
MARY ELIZABETH LORD

Kohn Mathematical Prize of $50
MABEL EMMA BROWNE
(Honorable mention: CLARA HELENE SCHMIDT.)

Detailed statements about the conditions governing the award of prizes will be found in the current edition of the *Barnard College Announcement*, which can be obtained without charge of the Secretary of Barnard College.

TEACHERS COLLEGE

Fellowships in Education

Teachers College awards annually four or more fellowships and eight or more graduate scholarships.

Fellows for 1906–07

In Education

HERBERT THOMAS JOHN COLEMAN
ARTHUR JULIUS JONES
SAMUEL CHESTER PARKER
HARLAN UPDEGRAFF

Honorary Fellow
PERCIVAL RICHARD COLE

In Manual Training
JULIAN ASHBY BURRUSS

In Domestic Science
NELLIE ESTHER GOLDTHWAITE

Graduate Scholars for 1906–07

EDWARD AUGUSTUS FITZPATRICK
JOSEPH MARR GWINN
FRANK CLINTON JOHNSON
FRANKLIN CLARK MCGILL
MILES FRANK REED
CLIFF WINFIELD STONE
JOHN ROBERT SWENSON
FRANK ERNEST THOMPSON

Undergraduate Scholars for 1906–07

Charlotte Louisa Williams Scholars

NELLIE HARCOURT
NELLIE GROSVENOR SMALL

Tileston Scholars

CHARLOTTE AMY ROGERS
LUCY EMMALINE TRIPP

Shackleford Scholar
JESSIE BEE MERRICK

Pierrepont Scholar
SALLIE BELLE TANNAHILL

Pond Scholar
ALICE CYNTHIA KING

Earl Scholars
WILLIAM JANSEN FRANK MILLETT MORGAN

Hoadley Scholars
EUGENIA BABCOCK HANNAH MARY CUSHMAN

Bryson Scholars
EDITH JOSEPHINE WADSWOTRH ARTHUR ELLIOTT SUFFERN

Army and Navy Scholar
BESSIE ADELAIDE CAPRON

Caroline Scholars
MIRIAM KEITH REED EUNICE WALLACE WELSH
HESTER RIDLON

Winthrop Alumnæ Association Scholar
MARY ELIZABETH FALLS

Kindergarten Scholar
SARAH ELLIS GLENN

SPECIAL FUNDS

The following funds have been given to the Trustees from time to time and are held by them for the purposes specified:

GEBHARD FUND:
Bequest of Frederick Gebhard of $20,000, for the endowment of a professorship in the German Language and Literature. 1843

FUND OF THE SOCIETY FOR PROMOTING RELIGION AND LEARNING:
Gift (through Professor McVickar) of $1000, for the endowment of two prizes, "The Society's Greek Seminary Prize," and "The Society's English Seminary Prize." 1852

HARSEN PRIZE FUND:
Bequest of Jacob Harsen, M.D., Class of 1825, of $31,114.10, for the endowment of prizes to be awarded to students in the College of Physicians and Surgeons. 1859

MOFFAT SCHOLARSHIP FUND:
Bequest of William B. Moffat, M.D., Class of 1838, of $2000, for the endowment of scholarships. 1862

STEVENS PRIZE FUND :
Gift of Dr. A. H. Stevens, Professor of Surgery, 1860–1867, of $1899.88, for the endowment of a prize. 1866

JOSEPH MATHER SMITH PRIZE FUND :
Subscription fund of $2337.81, as a memorial of Dr. Smith, for the endowment of a prize in the College of Physicians and Surgeons. 1874

CHANLER PRIZE FUND:
Bequest of John Winthrop Chanler, Class of 1847, of $1000, for the endowment of an essay prize. 1877

SCHERMERHORN SCHOLARSHIP FUND:
Bequest of John Jones Schermerhorn, Class of 1825, of $5000, for the endowment of scholarships. 1877

TYNDALL FELLOWSHIP FUND:
Gift of John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, of $10,945.50, for the endowment of a fellowship in Physics. 1885

ALONZO CLARK SCHOLARSHIP FUND:

Gift of $14,000 as a memorial of Alonzo Clark, President of the College of Physicians and Surgeons, 1875–1884, for the endowment of a scholarship. 1887

MCKIM FUND:

Gift of Charles F. McKim of $20,000, for the endowment of travelling fellowships in Architecture. 1889

COLUMBIA FELLOWSHIP IN ARCHITECTURE FUND:

Gift of F. Augustus Schermerhorn, Class of 1868, of $13,000, to the School of Architecture, applied to the endowment of a travelling fellowship in Architecture. 1889

BARNARD FUND FOR THE INCREASE OF THE LIBRARY:

Bequest by President Barnard of $59,501.64, and augmented by a bequest by his widow, Margaret M. Barnard, of $16,231.67, to endow a fund for the purchase of books, especially those relating to physical or astronomical science, and for the award of a medal for discovery in Physics or Astronomy. 1889 and 1902

BARNARD FELLOWSHIP FUND:

Bequest by President Barnard of $10,000, for the endowment of a fellowship for encouraging scientific research. 1889

DACOSTA FUND:

Bequest of Charles M. DaCosta, Class of 1855, Trustee 1886–1890, of $100,000, has provided $86,576.83, applied to the endowment of the DaCosta Professorship of Zoölogy; and of $20,000 used for fitting up the DaCosta Laboratory of Zoölogy. 1890

SLOANE MATERNITY HOSPITAL FUND:

Gift of William D. Sloane and Emily Thorn Vanderbilt Sloane, of $475,000, for the endowment of the Hospital. 1890 } 1904 }

VANDERBILT CLINIC ENDOWMENT FUND:

Gift of Cornelius Vanderbilt, William K. Vanderbilt, Frederick W. Vanderbilt, and George W. Vanderbilt, of $115,000, for the endowment of the Clinic. 1890

AVERY ARCHITECTURAL FUND:

Gift of Samuel P. Avery and Mary Ogden Avery of $30,000, in memory of their deceased son, Henry Ogden Avery. The income to be applied to the purchase of books relating to architecture, decorations, and allied arts. 1890

LOUBAT FUND:

Gift of Joseph F. Loubat of $7000, for the endowment of two prizes of $1000 and $400 to be awarded once in every five years. See page 423. 1892

TROWBRIDGE FUND:

Gift of $10,000, for the endowment of a fellowship in Engineering as a memorial of William P. Trowbridge, Ph.D., LL.D., Professor of Mining Engineering, 1877–1892,[1] subject at present to a life interest. 1893

PULITZER SCHOLARSHIP FUND:

Gift of Joseph Pulitzer of $100,000, for the endowment of scholarships. 1893

BENNETT PRIZE FUND:

Gift of James Gordon Bennett of $1000 for the endowment of an essay prize. 1893

HENRY DRISLER CLASSICAL FUND:

Gift of $10,000, presented by Seth Low, LL.D., Class of 1870, in commemoration of the semi-centennial of Professor Drisler in the service of the College, for the endowment of a fund for the purchase of books and works of art for the Greek and Latin departments. 1894

GRANT SQUIRES FUND:

Gift of Grant Squires, Class of 1885, of $1050, for the endowment of an essay prize. 1895

STUART SCHOLARSHIP FUND:

Gift of Mrs. Cornelia A. Atwill of $6000, for the endowment of the "Stuart Scholarships" in memory of her grandsons, Sidney Barculo Stuart, Class of 1880, and Eugene Talman Stuart, Class of 1881. 1896

ALEXANDER I. COTHEAL FUND FOR THE INCREASE OF THE LIBRARY:

Gift of Mrs. Samuel R. Lawrence and Mrs. James R. Swords of $6000, in memory of their brother, Alexander I. Cotheal, for the endowment of a fund for the purchase of books in the Oriental languages, or relating to Oriental subjects. 1896

ROBERT CENTER FUND FOR INSTRUCTION IN MUSIC:

Gift of Mrs. Mary Elizabeth Ludlow of real estate and securities valued at $178,046.50, for the endowment of a fund for instruction in music as a memorial of her son, Robert Center, applied to the maintenance of a professorship. 1896

STUDENTS' LOAN FUND:

Gift of Jacob H. Schiff of $5000, for the aid of needy students. 1896

H. C. BUNNER PRIZE FUND:

Gift of $1000, for the endowment of an essay prize. 1896

ILLIG FUND:

Bequest of William C. Illig, Class of 1882 (S. of M.), of $2000, for the endowment of scholarship medals. 1897

[1] Income paid to Mrs. Trowbridge during pleasure of Trustees.

MOSENTHAL FELLOWSHIP FUND:

Gift of friends of the late Joseph Mosenthal of $7500, to found a fellowship in Music. 1898

PERKINS FELLOWSHIP FUND:

Bequest of Willard B. Perkins of $5700, for a travelling fellowship in Architecture, awarded quadrennially. 1898

SCHIFF FELLOWSHIP FUND:

Gift of Jacob H. Schiff of $15,000, to found a fellowship to be awarded by the Faculty of Political Science on the nomination of the donor or his eldest living male descendant. 1898

SEIDL FUND:

The proceeds, amounting to $12,000, of a memorial performance (March 23, 1899), in honor of the late Anton Seidl. The income to be paid to Mrs. Seidl during her lifetime, and thereafter "to be applied to a Fellowship in Music in Columbia University." 1899

WARING MUNICIPAL FUND:

The Chamber of Commerce of the State of New York, in 1898, raised by public subscription the sum of $100,000, to perpetuate the memory of the late Col. George E. Waring. The income thereof to be paid to the widow and daughter of Colonel Waring during their lifetime, and thereafter to be devoted to instruction in municipal affairs. 1899

FUND FOR THE ENDOWMENT OF THE ABRAHAM JACOBI WARD FOR CHILDREN IN ROOSEVELT HOSPITAL:

Gift of an anonymous donor of $50,000, "to endow a ward for children in the Roosevelt Hospital." 1899

BECK FUNDS:

The late Charles Bathgate Beck, A.B. Class of 1877, LL.B. Class of 1879 (who died in 1894), bequeathed the sum of $10,000: $2000 to found one scholarship in Columbia College; $8000 to endow a prize in the Law School. 1899

CURTIS FUND:

Gift of the George William Curtis Memorial Committee of $10,000, to establish the George William Curtis Fellowship in the School of Political Science. 1899

DYCKMAN FUND:

Gift of Isaac Michael Dyckman of $10,000, in memory of his uncles, Dr. Jacob Dyckman and Dr. James Dyckman, both of the College of Physicians and Surgeons, to establish the "Dyckman Fund for the Encouragement of Biological Research." 1899

ALEXANDER MONCRIEF PROUDFIT FELLOWSHIP FUND:
Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found the Alexander Moncrief Proudfit Fellowship in Letters. 1899

MARIA MCLEAN PROUDFIT FELLOWSHIP FUND, SCHOOL OF MEDICINE:
Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found the Maria McLean Proudfit Fellowship in Medicine. 1899

TRUST FUND FOR PSYCHOLOGY:
Gift of $100,000 from John D. Rockefeller, as an endowment of the head professorship of the Psychological Department of Columbia University. 1899

CARL SCHURZ FELLOWSHIP FUND:
Fund of $10,000 from the Carl Schurz Fund Committee, to establish a fellowship in honor of Carl Schurz. 1900

CARL SCHURZ LIBRARY FUND:
Fund of $10,000 from the Carl Schurz Fund Committee, established in honor of Carl Schurz, the income to strengthen the Library in the field of the German Language and Literature. 1900

LAW BOOK TRUST FUND:
Created by act of the Trustees on March 5, 1900, by the consolidation of the Alexander Cole Gift ($1500); John Jay Jenkins Legacy ($500); John McKeon Fund ($1000); Sampson Simpson Fund ($1000); and the Edgar J. Nathan Gift ($250); total, $4250, the income to be applied to the purchase of law books. 1900

CAMPBELL SCHOLARSHIP FUND:
Gifts of $3000 each from Miss Maria L. Campbell and Miss Catharine B. Campbell, for the establishment of two scholarships in the College, in memory of Robert B. Campbell of the Class of 1844, and Henry P. Campbell of the Class of 1847. 1900

GERMAN LECTURE FUND:
Gifts to the sum of $1000 for an endowment of Public Lectures in German at the University. 1901

EATON PROFESSORSHIP FUND:
Bequest of the late Dorman B. Eaton of $100,000, to endow and maintain a Professorship of Administrative Law and Municipal Science. 1901

DEAN LUNG PROFESSORSHIP IN CHINESE FUND:
Gift of anonymous friends, of $213,000 towards the founding of a Department of Chinese Languages, Literatures, Religion, and Law, and especially for the establishment of the Dean Lung Professorship of Chinese. 1901

CLASS OF 1848 SCHOLARSHIP FUND:
Gift of $10,000 of an anonymous friend to found two scholarships in the College. 1902

GEORGE WILLIAM CURTIS MEDALS FUND:
Gift of $1000 from an associate of George William Curtis in the Civil Service Reform work to establish this fund. 1902

PHILOLEXIAN CENTENNIAL WASHINGTON PRIZE FUND:
Gift to the Philolexian Society from J. Ackerman Coles, Class of 1864. The accumulated interest is to be expended every four years for a duplicate of the life-size bronze bust of George Washington, modelled from life at Mount Vernon, by Jean Antoine Houdon, to be cast at the Barbedienne Foundry, Paris, France. The bust will be given to that member of the Philolexian Society, who, in the opinion of the President of the University, the President of the Society, and a third man of their choosing, shall be deemed most worthy, upon his delivery of an original patriotic address. 1902

PHŒNIX LEGACY:
Amounting at present to $178,597.08, being on account of one-third part of the residuary estate of the late Stephen Whitney Phœnix, bequeathed to Columbia College in 1881. 1902

JULIUS BEER LECTURE FUND:
Legacy of the late Julius Beer of $10,000 to establish this fund. 1903

JAMES S. CARPENTIER FUND:
Gift of $125,000 from General Horace W. Carpentier of the Class of 1848, in memory of his brother, James S. Carpentier, for the benefit of the Law School. 1903

GUSTAV GOTTHEIL FELLOWSHIP FUND:
Gift of $10,000 from Temple Emanu-El to establish a fellowship, the holder to be nominated by the Professors in the Semitic Languages. 1903

LOUBAT PROFESSORSHIP FUND:
Gift of $100,000 from Joseph F. Loubat to establish the Loubat Professorship in American Archæology. 1903

RICHARD BUTLER SCHOLARSHIP FUND:
Gift of $5000 from Mrs. Richard Butler in memory of her deceased husband, Richard Butler, open to students born in the State of Ohio. 1903

DARLING PRIZE FUND:
Bequest of the late Edward A. Darling, formerly Superintendent of Buildings and Grounds, of $1000 to endow an annual prize in the School of Engineering. 1903

JOSEPH PULITZER FUND FOR SCHOOL OF JOURNALISM:
Gift of $1,000,000 from Joseph Pulitzer to establish and endow a School of Journalism in Columbia University. 1903

R. S. CARPENTIER FUND:
Gift of $100,000 from General H. W. Carpentier towards a professorship in the Medical School, in memory of Reuben S. Carpentier. 1904

CORNELIUS HEENEY GOTTSBERGER SCHOLARSHIP FUND:
Bequest of Ellen Josephine Banker of $9500 to establish a scholarship in memory of her deceased brother, Cornelius Heeney Gottsberger. 1904

PHILOLEXIAN PRIZE FUND:
Fund of $1326.80 from the Philolexian Society, the income to be paid to the Society for prizes. 1904

TOPPAN PRIZE FUND:
Gift of $4000 from Mrs. Sarah M. Toppan to endow, in memory of her late husband, Robert Noxon Toppan, a prize in the School of Law. 1904

ERNEST KEMPTON ADAMS FUND FOR PHYSICAL RESEARCH:
Gift of $50,000 from Edward D. Adams, in memory of his son, the late Ernest Kempton Adams. 1904

GARTH MEMORIAL FUND:
Gift of $16,250 from Horace E. Garth to establish a fellowship in Political Economy in memory of his son, the late Granville W. Garth. 1904

GUY B. MILLER FUND:
Bequest of the late Guy B. Miller of $10,000, of the Class of 1898, College of Physicians and Surgeons, for general purposes of the Medical School. 1904

ERNEST KEMPTON ADAMS FUND FOR PHYSICAL RESEARCH:
Gift of $50,000 from Edward D. Adams, in memory of his son, the late Ernest Kempton Adams, E.E., 1897; A.M., 1898. 1904

SCHIFF PROFESSORSHIP FUND:
Gift of $100,000 from Jacob H. Schiff for the endowment of a Professorship of Social Economy in order to make possible a close affiliation between Columbia University and the New York School of Philanthropy. 1905

THEODORE ROOSEVELT PROFESSORSHIP FUND:
Gift of James Speyer of $50,000 for the endowment of a professorship of American History and Institutions in the University of Berlin. 1906

MATHEMATICAL PRIZE FUND:

Gift of Mrs. Louis T. Hoyt of $5,000, in memory of her nephew, John Dash van Buren, Jr. 1906

E. B. CONVERS PRIZE FUND:

Gift of Miss Alice and Miss Clara B. Convers of $1,000, in memory of their brother, Ebenezer Buckingham Convers, LL.B., 1866, to endow a prize in the Law School. 1906

E. R. CARPENTIER FUND:

Gift of Mrs. Myra H. Williamson of $150,000 for the endowment of a professorship or an endowed lectureship on the Origin and Growth of Civilizations among Men. 1906

BLUMENTHAL FUND:

Gift of George Blumenthal of $100,075 for the endowment of a Chair of Politics. 1906

ACADEMIC CALENDAR

1906—Sept. 26—Wednesday, First half-year, 153d year, begins. Fellows and Scholars to report to the Registrar. Registration ceases for students matriculating for the first time. Later applications received only upon payment of an additional fee of $5.

Oct. 16—Tuesday, Stated meeting of University Council.

Nov. 6—Tuesday, Election Day, holiday.

Nov. 29—Thursday, to Dec. 1, Saturday, inclusive, Thanksgiving holidays.

Dec. 18—Tuesday, Stated meeting of University Council

Dec. 22—Saturday, to

1907—Jan. 5—Saturday, inclusive. Christmas holidays.

Jan. 21—Monday, Mid-year entrance examinations begin.

Jan. 23—Wednesday, Mid-year examinations begin.

Feb. 2—Saturday, First half-year ends.

Feb. 4—Monday, Second half-year begins. Registration ceases for students entering the second half-year. Later applications received only upon payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

Feb. 19—Tuesday, Stated meeting University Council.

Feb. 22—Friday, Washington's Birthday, holiday.

Mar. 1—Friday, Last day for filing applications for University Fellowships.

Mar. 28—Thursday, to April 1, Monday, inclusive, Easter holidays for students in such schools as may be designated by the University Council.

April 1—Monday, Last day for filing applications for higher degrees in 1906–07, and for presenting dissertations for the degree of Doctor of Philosophy.

April 16—Tuesday, Stated meeting of University Council.

May 1—Wednesday, Last day for filing applications for Scholarships and for presenting essays for the degree of Master of Arts.

May 14—Tuesday, Stated meeting of University Council.

May 22—Wednesday, Final examinations begin.

May 30—Thursday, Memorial Day, holiday.

June 9—Sunday, Baccalaureate service.

June 10—Monday, Class Day.

June 12—Wednesday, Commencement Day.
June 17—Monday, Examinations of the College Entrance Examination Board begin. For dates of last days for filing applications, see Document No. 19, issued by the Board, Post-Office Sub-station 84, New York, N. Y.
July 9—Tuesday, Eighth Summer Session opens.
Aug. 17—Saturday, Eighth Summer Session closes.
Sept. 2—Monday, Last day for filing lists of elective courses in Columbia College and Barnard College.
Sept. 11—Wednesday, Deficient Examinations.
Sept. 16—Monday, Entrance examinations begin.
Sept. 18—Wednesday, Registration begins.
Sept. 24—Tuesday, Registration ceases for students previously matriculated. Later applications received only upon payment of an additional fee of $5.
Sept. 25—Wednesday, First half-year, 154th year, begins. Fellows and Scholars to report to the Registrar. Registration ceases for students matriculating for the first time. Later applications received only upon payment of an additional fee of $5.

NOTE.—In 1908 and thereafter Commencement Day will fall on the last Wednesday in May, final examinations for all students, except those in the graduating classes, beginning on the day following Commencement.

SUMMARY

OFFICERS

Professors	143		
Adjunct Professors	47		
Clinical Professors and Lecturers	19		
Instructors	87		
Demonstrators	12		
Tutors	39		
Curators	2		
Lecturers and other Special Officers of Instruction	45		
Assistants	62		
Clinical Assistants	67		
University Officers of Instruction		523	
Other Instructors in Teachers College		46	
Other Instructors in College of Pharmacy		4	
			50
			573
University Officers of Administration		19	
Other Officers of Administration, Teachers College and College of Pharmacy		7	
			26
Emeritus Officers			15
Total			614
Horace Mann School and Speyer School (*not included above*)			80

STUDENTS

Columbia College:		
Senior class	111	
Junior "	128	
Sophomore "	156	
Freshman "	160	
Non-matriculated	51	
		606
The School of Law:		
Third-year class	85	
Second-year "	69	
First-year "	92	
Non-matriculated	15	
Carried forward	867	
		261

Brought forward		867
The School of MEDICINE:		
Fourth-year class	94	
Third-year "	79	
Second-year "	80	
First-year "	86	
Non-matriculated	11	
		352
The Schools of APPLIED SCIENCE:		
Fourth-year class	87	
Third-year "	118	
Second-year "	158	
First-year "	137	
Non-matriculated	22	
		524
FINE ARTS:		
Architecture	87	
Music	26	
		113
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE		853
TOTAL		2709
BARNARD COLLEGE		398
TEACHERS COLLEGE		726
COLLEGE OF PHARMACY (Not included in Directory)		254
TOTAL		4087
Deduct Double Registration		156
NET TOTAL OF RESIDENT STUDENTS		3931
Summer Session Students, 1906		1041
Deduct Double Registration		269
GRAND TOTAL OF RESIDENT STUDENTS		4695
Students in extension courses		1017

November 7, 1906.

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DIRECTORY OF OFFICERS

B. =Barnard College.
Ea. =East Hall.
E. H. =Earl Hall.
E. =Engineering.
F. =Fayerweather.
Gym. =Gymnasium.
H. M. S. =Horace Mann School.
Hv. =Havemeyer.
L. =Library.
M. =School of Mines.
P. & S. =College of Physicians and Surgcons.
Phar. =College of Pharmacy.
S. =Schermerhorn.
S. M. H. =Sloane Maternity Hospital.
Sp. S. =Speyer School.
T. =Teachers College.
U. =University.
V. C. =Vanderbilt Clinic.
W. =West.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Abbe, R. Clin. Lect.		P. & S.	13 W. 50
Abbott, A. Tr.		H. M. S.	545 W. 148
Abbott, Julia W. Asst.		H. M. S.	1230 Amsterdam ave.
Abbott, N. Lect.	M. W. 11–12	305 L.	
Adler, F. Prof.			152 W. 77
Aldrich, J. Clin. Asst.		V. C.	164 W. 81
Alline, Anna L. Lect.		T.	402 W. 124
Andrews, B. R. Dir. in Sp. S.		Sp. S.	
Anthony, Kate S. Instr.		H. M. S.	2337 Broadway
Arendt, M. Instr.	M. W. 9.10–10.10; 1.10–4.10	503 E.	1851 Seventh ave.
Arnold, W. W. Tr.		H. M. S.	3603 Broadway
Atwood, C. E. Clin. Asst.		V. C.	3 E. 53
Auchincloss, H. Asst.		P. & S.	24 E. 48
Ayer, J. C. Asst. Instr.		P. & S.	31 W. 36
Ayres, C. H. Lect.	Th. 10–11	305 L.	404 W. 116
Bacon, Georgia F. Tr.		H. M. S.	
Bacon, G. Prof.		P. & S.	47 W. 54
Bagster-Collins, E. W. Adj. Prof.	Tu. 11–11.30; Th. 3–3.30	231 T.	522 W. 123
Bailey, F. R. Adj. Prof.		P. & S.	1165 E. Jersey, Elizabeth, N. J.
Bailey, P. Clin. Lect.		P. & S.	52 W. 53
Baker, C. M. Tr.		H. M. S.	157 W. 105
Baker, F. T. Prof.	M. W. S. 9.30	323 T.	Park Hill, Yonkers, N. Y.
Baker, G. H. Emer. Lib.			294 Manhattan ave.
Baker, H. T. Sec. Earl Hall	M.–F. 9–12; 5–6; S. 9–12	E. H.	509 W. 140
Baker, Helen B. Tr.		H. M. S.	140 W. 87
Baldwin, Elizabeth G. Lib. T. C.	Daily 11–12	317 T.	469 Main, East Orange, N. J.
Ball, A. B. Emer. Prof.			42 W. 36
Bandelier, A. F. Lect.	Th. 3.10; F. 4.10	507 S.	432 W. 160
Banker, C. E. Asst.		P. & S.	148 W. 131
Bargy, H. Instr.	M. W. 3	305 W.	235 W. 109
Barnum, Edith C. Tr.		H. M. S.	151 W. 105
Barrows, Anna, Lect.		T.	
Barry, T. J. Clin. Asst.		V. C.	137 E. 49
Bastedo, W. A. Instr. and Asst.		P. & S.	120 W. 58
Batchelder, Evelyn, Tr.		H. M. S.	415 W. 118
Batchelder, Mildred I. Tr.		H. M. S.	415 W. 118

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Bayles, G. J. Lect.	Tu. F. 4	405 L.	404 Main, Orange, N. J.
Beach, W. H. Asst.		Gym.	511 W. 122
Beans, H. T. Tutor	Tu. 11–12	512 H.	361 W. 123
Beard, C. A. Lect.	M. 3; Th. 9.40	404 L. 340 B.	430 W. 118
Bechert, A. O. Lect.	M. 3; Th. 11	113 B.	119 Jefferson, Bklyn.
Benns, C. P. Instr.	M. 1–2	125 T.	416 W. 118
Benton, Eliza		T.	510 W. 124
Berg, H. W. Instr.		P. & S.	923 Madison ave.
Berg, W. N. Asst.		P. & S.	331 E. 88
Berger, Jane C. Asst. Sec. T. C.		T.	1230 Amsterdam ave.
Berkey, C. P. Tutor	Daily 9–10	302 S.	206 W. 140
Bigelow, M. A. Adj. Prof.	Tu. 10–10.30; Th. 3–3.30	301 T.	Oscawana-on-Hudson, N. Y.
Bigongiari, D. Lect. and Asst.	M. 1–2	308 Ea.	
Biklé, C. E. Adj. Prof.	Tu. Th. 1.20–2	H. M. S.	Park Hill, Yonkers, N. Y.
Bingham, A. W. Dem.		P. & S.	266 W. 88
Black, A. Adj. Prof.	Tu. 11–12; Th. F. 10–11	408 E.	626 W. 158
Blake, J. A. Prof.		P. & S.	601 Madison ave.
Blancard, W. Clin. Asst.		V. C.	Yonkers, N. Y.
Blanchard, J. Asst.		607 F.	Livington Hall
Blodgett, F. J. Clin. Asst.		V. C.	140 W. 72
Blow, Susan E. Lect.		T.	
Boag, E. T. Asst. Reg.	M.–F. 10–5	P. & S.	3 Lenox ave., White Plains, N. Y.
Boas, F. Prof.	Tu. Th. 1–2	405 S.	123 W. 82
Bogert, M. T. Prof.	M.–F. 2–4	408 Hv.	422 W. 154
Botsford, C. S. Asst.		Gym.	531 W. 155
Botsford, G. W. Adj. Prof.	M. 11–12	320 U.	48 S. 9th ave., Mt. Vernon, N. Y.
Bovaird, D. Tutor		P. & S.	126 W. 58
Bowman, J. G. Tutor	M. W. 11–12; Tu. Th. 12–12.15	401 W.	Livingston Hall
Boynton, W. H. Asst.		T.	503 W. 121
Bradley, W. L. Clin. Asst.		V. C.	55 W. 75
Braun, W. A. Instr.	M. 10; Th. 3	113 B.	50 Morningside ave.
Brewer, G. E. Prof.		P. & S.	61 W. 48
Brewster, W. T. Prof.	Tu. Th. 12–1	138 B.	628 W. 114
Britton, N. L. Emer. Prof.			N. Y. Botanical Garden, Bronx
Broadhurst, Jean, Instr.		T.	1230 Amsterdam ave.
Brooks, Anna P. Asst.		T.	503 W. 121
Brooks, F. E. Tr.		H. M. S.	501 W. 113
Brooks, Mrs. Marie K. Tr.		H. M. S.	501 W. 113
Brouner, W. B. Clin. Asst.		V. C.	45 W. 9
Brown, Dora B. Tutor		T.	523 W. 121
Brown, H. C. Asst.	M. W. F. 9.30–11	417 L.	Highwood, N. J.
Brown, W. Asst.	Tu. Th. 10–11	336 B.	Hartley Hall
Brugman, A. F. Clin. Asst.		V. C.	220 W. 139
Bull, W. T. Emer. Prof.			35 W. 35
Bumpus, H. C. Dir. Am. Mus. of Nat'l Hist.			
Burckhalter, T. W. Asst.		Gym.	468 W. 141

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Burdick, F. M. Prof.	Tu. Th. 12–1	303 L.	633 W. 115
Burgess, J. W. Prof. and Dean, Sch. Pol. Sci.	Absent on leave		
Burr, W. H. Prof.		401 E.	151 W. 74
Burton-Opitz, R. Adj. Prof.		P. & S.	Palisade, N. J.
Buschek, H. A. Tr.		H. M. S.	
Bush, W. T. Lect.	W. 10–11 (2d half-year)	420 L.	167 Joralemon, Bklyn.
Bussey, W. H. Tutor	M. W. F. 11–12	309 B.	417 W. 121
Butler, Eliza R. Tr.		H. M. S.	119 E. 30
Butler, N. F. Asst.	W. Th. 1.30–3	505 F.	Hartley Hall
Butler, N. M. Prest.	M. Tu. Th. F. 10.30–12.30	213 L.	119 E. 30
Calhoun, Mary E. Tr.		H. M. S.	502 W. 113
Calkins, G. N. Prof.	F. 9–12	604 S.	1 W. 81
Campbell, W. Instr.	M. W. 9–10	503 M.	Livingston Hall
Canfield, G. F. Prof.	Tu. Th. 11–12	302 L.	
Canfield, J. H. Lib.	M.–F. 10–12.30	201 L.	Graham Court, 116 and Seventh ave.
Carling, J. Clin. Asst.		V. C.	126 E. 34
Carpenter, G. R. Prof.	Absent on leave		
Carpenter, W. H. Prof.	M. W. 2; Tu. Th. 3.	316 U.	253 W. 100
Carr, M. L. Clin. Asst.		V. C.	353 W. 57
Carter, Mrs. A. E. Tr.		Sp. S.	449 W. 123
Cartwright, O. G. Tr.		H. M. S.	501 W. 113
Cattell, J. McK. Prof.		412 S.	Garrison, N. Y.
Chambers, V. J. Tutor	Daily 1–4	405 Hv.	527 W. 124
Chandler, C. F. Prof.	M. W. F. 12.30	303 Hv.	51 E. 54
Chappell, W. F. Clin. Prof.		P. & S.	7 E. 55
Chesbrough, Mary D. Instr.		H. M. S.	1230 Amsterdam ave.
Clark, J. B. Prof.	M. W. 1.45	204 W.	616 W. 113
Clark, J. E. Clin. Asst.		V. C.	33 McKeel ave., Tarrytown, N. Y.
Clark, L. P. Clin. Asst.		V. C.	23 W. 58
Clarke, Sir C. Purdon, Dir. Met. Mus. of Art			
Clarke, W. C. Instr.		P. & S.	200 W. 56
Cleghorn, C. D. Clin. Asst.		V. C.	529 W. 111
Closs, Rachel E. Tr.		Sp. S.	94 Lawrence
Coblentz, V. Prof.		Phar.	115 W. 68
Cochran, Katharine M. Tr.		H. M. S.	
Cohn, A. Prof.		309 W.	
Cole, F. N. Prof.	W. 2–3	406 Ea.	
Coley, W. B. Clin. Lect.		P. & S.	5 Park ave.
Coll, A. P. Clin. Asst.		V. C.	141 Lexington ave.
Cooley, Anna M. Instr.		T.	202 W. 79
Cooper, F. T. Lect.			
Cornell, Grace A. Instr.		T.	33 Alsop, Jamaica. N. Y.
Cox, R. Asst. Instr.		P. & S.	12 E. 31
Cragin, E. B. Prof.		P. & S.	10 W. 50
Crampton, H. E. Prof.	Tu. Th. 2–3	413 B.	201 W. 122
Crane, W. R. Instr.	M. W. F. 9–10	408 M.	36 Winthrop ave., New Rochelle, N. Y.
Crawford, Caroline, Instr.		T.	1 Gramercy Pk.
Crocker, F. B. Prof.	Tu. W. 11–12; 2–3	503 E.	14 W. 45

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Cunliffe, J. W. Lect.	(2d half-year)		
Cunningham, R. H. Instr.		P. & S.	201 W. 54
Curtis, C. C. Instr.	Tu. Th. 10–11	502–3 S.	
Curtis, E. Emer. Prof.			33 W. 69
Curtis, J. G. Prof.		P. & S.	327 W. 58
Dade, C. T. Clin. Asst.		V. C.	25 W. 50
Daniell, Lucetta, Directress T.C.	M. Tu. W. 2–4; Th. F. 10–12	T.	1230 Amsterdam ave.
Darling, C. A. Asst.	M. F. 3–4	504 S.	475 Manhattan ave.
Darrach, W. Dem.		P. & S.	107 W. 55
Daschbach, Grace M. Asst.		T.	
Davis, B. Tutor	M. Th. 1–5.30	210 F.	509 W. 124
Davis, Martha G. Asst.		H. M. S.	417 W. 118
Day, Helen M.		T.	
Day, W. S. Tutor	Tu. W. 1–5	210 & 401 F.	337 W. 87
Dean, B. Prof.	W. F. 10.30–12	605 S.	20 W. 82
Dederer, Pauline H. Lect.	Tu. 1.10	415 B.	560 W. 113
De Graff, F. A. Tr.		H. M. S.	
Delafield, F. Emer. Prof.			12 W. 32
Delano, W. A. Assoc. Dir. of Atelier			
Devine, E. T. Prof.	Th. F. 5–6	418 L.	501 W. 113
Dewey, J. Prof.	Tu. Th. 10–11	416 L.	505 W. 122
Dickson, Lucy, Tr.		H. M. S.	
Diekman, G. C. Prof.		Phar.	115 W. 68
Dielman, F. Prest. Nat'l Acad. of Design.			51 W. 10
Ditman, N. E. Instr.		P. & S.	839 Madison ave.
Dixon, G. S. Instr.		P. & S.	123 E. 74
Dodge, R. E. Prof.	Absent on leave		
Dorr, G. H. Lect.	S. 8.30–9	405 L.	308 W. 97
Dounce, J. W. Clin. Asst.		V. C.	320 Central Pk. W.
Dow, A. W. Prof.	W. 11–12	431 T.	501 W. 120
Dow, E. L. Tutor		P. & S.	49 W. 57
Dowd, C. N. Instr.		P. & S.	135 W. 73
Drant, G. Chief Clerk Registrar's Office	M.–F. 9–5; S. 9–12	109 L.	
Draper, W. K. Instr.		P. & S.	121 E. 36
Dunning, W. A. Prof.	W.–F. 12.30	323 U.	256 W. 57
Dutton, S. T. Prof.	Tu. W. Th. 8.45–10; 3–5	H. M. S.	619 W. 114
Earhart, Lida B. Tutor		T.	1230 Amsterdam ave.
Egbert, J. C. Prof.	M. W. F. 10–11	310 Ea.	425 W. 146
Ellard, C. H. Tutor	F. 11–12; W. 1–2	513 Hv.	Great Neck, L. I.
Elliott, A. H. Emer. Prof. Coll. Phar.			21st st. and Ave A.
Emerson, H. Dem.		P. & S.	120 E. 62
Epstein, S. Clin. Asst.		V. C.	591 Lexington ave.
Erb, F. C. Sup. Lib.		L.	520 W. 123
Erb, F. W. Sup. Lib.		L.	520 W. 123
Evans, E. M. Tutor		P. & S.	38 W. 48

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Fackenthal, F. D. Chief Clerk	M.–F. 9–5; S. 9–12	213 L.	930 St. Mark's ave., Bklyn.
Falk, M. S. Lect.		401 E.	44 W. 53
Farnsworth, C. H. Adj. Prof.	Tu. F. 2–3	118 T.	1230 Amsterdam ave.
Farrand, L. Prof.	M. W. 4	513 S.	Bartow-on-Sound, N.Y.
Farwell, H. W. Asst.	Tu. Th. F. S. 2–3	210 F.	524 W. 123
Fauver, E. Instr.		T.	
Fauver, E. Tr.		H. M. S.	
Ferguson, H. B. Clerk Coll. of Phar.	M.–F. 9–5; S. 9–12	Phar.	137 W. 69
Fischer, C. S. Clin. Asst.		V. C.	144 E. 38
Fisher, G. F. Bursar	M.–F. 9–5; S. 9–12	108 L.	204 W. 123
Fiske, T. S. Prof.	W. F. 3.30	401 Ea.	76 W. 86
Fitz-Gerald, J. D. II, Tutor	M. W. 1–2	306 W.	93 Broad, Newark, N. J.
Fletcher, J. B. Prof.	M. F. 2–3	511 F.	407 W. 117
Flint, C. P. Instr.		P. & S.	61 W. 48
Floyd, R. Lect. and Asst.		P. & S.	12 W. 32
Fontrier, M. M. A. Asst.			202 W. 128
Foote, E. M. Instr.		P. & S.	136 W. 48
Forbes, C. Curator	M.–F. 10–5	407 F.	386 Manhattan ave.
Foster, N. B. Instr. and Asst.		P. & S.	110 Madison ave.
Fotheringham, Elizabeth R. Tr.		H. M. S.	1 Gramercy Pk.
Fowler, S. W. Clin. Asst.		V. C.	155 W. 48
Fox, G. H. Prof.		P. & S.	18 E. 31
Fox, G. H. Clin. Asst.		V. C.	515 Madison ave.
Freese, Mme. Cécile, Tr.		H. M. S.	353 W. 17
Frink, C. A. Clin. Asst.		V. C.	80 Convent ave.
Frissell, L. F. Instr.		P. & S.	113 E. 56
Frothingham, R. Instr.		P. & S.	616 Madison ave.
Fullerton, G. S. Prof.	Absent on leave		
Fulmer, Grace Instr.		T.	503 W. 121
Furst, C. Sec. Teachers College	M. W. F. 3–5; Tu. Th. S. 10–12	106 T.	Lowerre Summit Pk., Yonkers, N. Y.
Gallaudet, B. B. Adj. Prof. and Instr.		P. & S.	115 E. 16
Galwey, C. Asst.	Tu. 12–12.30; Th. 3–3.30	403 W.	770 St. Nicholas ave.
Garton, Harriet Tr.		H. M. S.	515 W. 111
Geer, Mrs. Cora M. Sec. H. M. El. Sch.		H. M. S.	
George, Theodora, Asst. Reg. T.C.	M.–F. 10–12; 2–4: S. 10–12	T.	523 W. 123
Gerig, J. L. Lect.			
Gibney, V. P. Prof.		P. & S.	16 Park ave.
Giddings, F. H. Prof.	Tu. 4.15; F. 1.30	407 L.	150 W. 79
Gies, W. J. Prof.		P. & S.	437 W. 59
Gildersleeve, Virginia C. Tutor	Absent on leave		
Gill, J. G. Tutor			
Gill, Laura D. Dean of Barnard College	M. Tu. Th. 11–12; 2–3; F. 11–12	B.	425 West End ave.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Gillmore, Mary B. Tr.		H. M. S.	419 W. 118
Glanton, Louise P. Tr.		Sp. S.	94 Lawrence
Goetze, F. A. Supt. of Buildings & Grounds	M.–F. 10–11	110 L.	411 W. 117
Gohdes, W. H. Tr.		H. M. S.	Hartley Hall
Gold, J. D. Clin. Asst.		V. C.	
Goldthwait, Cora, Tr.		H. M. S.	
Goodhardt, S. P. Clin. Asst.		V. C.	123 E. 60
Goodnow, F. J. Prof. and Act'g Dean, Sch. Pol. Sci.	M. W. 2–3	404 L.	49 Riverside dr.
Goodridge, F. G. Clin. Asst.		V. C.	332 Lexington ave.
Goodsell, Willystine, Tutor		T.	1230 Amsterdam ave.
Gordon, Kate, Instr.		T.	417 W. 118
Gottheil, R. J. H. Prof.	M. W. 2	309 U.	63 W. 85
Grabau, A. W. Prof.		101 S.	
Grant, A. H. Tr.		H. M. S.	402 W. 124
Gregory, W. K. Asst.			
Guernsey, R. Tutor	M. W. 3–3:30	306 Ea.	Livingston Hall
Haas, S. V. Clin. Asst.		V. C.	2493 Broadway
Hæfflin, Fanny J. Tr.		H. M. S.	
Hale, H. E. Dem.		P. & S.	752 West End ave.
Hall, E. J. Tutor	M.–Th. 9–12; F. S. 9–11	206 Hv.	148 W. 123
Hallock, Prof. and Dean, Sch. Pure Sci.	M. W. F. 12	406 F.	
Hamlin, A. D. F. Prof.	M. W. F. 10–11; Th. 2–4	607 Hv.	105 Morningside ave. E.
Hamm, Ada M. Sec. Dept. Phys. Educ. T. C.		T.	14 W. 118
Hanckel, Mary B. Asst.		T.	
Harpham, Flora E. Computor	M.–F. 9–3	602 F.	317 W. 119
Harriman, C. A. Instr.		605 Hv.	646 West End ave.
Harrington, T. H. Tutor	Th. 10–11	604 E.	
Harris, Clara B. Tr.		Sp. S.	94 Lawrence
Hart, T. S. Instr.		P. & S.	130 W. 59
Hartley, F. Prof. and Instr.		P. & S.	61 W. 49
Hartwell, G. W. Asst.	M.–F. 10–12	405 Ea.	Livingston Hall
Haskell, Alice, Asst.	Tu. Th. 2–3	136 B.	521 W. 122
Hastings, T. Dir. of Atelier			28 E. 41
Haviland, C. F. Clin. Asst.		V. C.	Manhattan State Hosp. Ward's Island.
Hawkes, F. Instr.		P. & S.	42 E. 26
Hawley, Harriet, Sec. to Dean, T. C.		T.	1230 Amsterdam ave.
Haworth, P. L. Lect.	M. 10; S. 11	322 U.	537 W. 123
Hayden, J. R. Prof.		P. & S.	121 W. 55
Hayes, A., Jr. Lect.	Tu. Th. 4–4:30	412 L.	40 Morningside Pk., W.
Hayt, E. K. Asst. Bursar		P. & S.	104 W. 128
Hazen, T. E. Tutor	Th. 3	320 B.	Livingston Hall
Healy, W. P. Instr.		P. & S.	54 W. 55
Henmon, V. A. C. Lect.	Tu. Th. 11–12	336 B.	Livingston Hall
Hennen, W. D. Clin. Asst.		V. C.	39 W. 36
Herter, C. A. Prof.		P. & S.	819 Madison ave.
Hervey, W. A. Adj. Prof.	M. W. 3; F. 2	315 U.	607 W. 138
Heuser, F. W. J. Tutor	Tu. 10–11; F. 11–12	310 U.	239 S. Fifth ave., Mt. Vernon, N. Y.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Hill, Patty S. Instr.		T.	503 W. 121
Hirst, Gertrude M. Instr.	W. 10	212 B.	
Hirth, F. Prof.	Th. 2	305 U.	501 W. 113
Hiss, P. H., Jr. Prof.		P. & S.	200 Columbia Heights, Bklyn.
Hoadley, H. Lect.		112 B.	132 W. 13
Hodenpyl. E. Adj. Prof.		P. & S.	37 E. 63
Hodge, R. M. Lect.		T.	552 W. 113
Hodgson, J. H. P. Clin. Asst.		V. C.	29 Washington sq.
Hofer, Mari R. Lect.		T.	503 W. 121
Holcombe, E. S. Lect.		501 E.	562 W. 173
Holden, W. A. Instr.		P. & S.	43 W. 48
Holdridge, W. H. Clin. Asst.		V. C.	485 W. 145
Holm, G. T. Instr.		Gym.	Edgewater, N. J.
Holt, L. E. Prof.		P. & S.	14 W. 55
Hotchkiss, Caroline W. Tr.		H. M. S.	502 W. 113
Hotchkiss, L. W. Clin. Lect. and Instr.		P. & S.	59 W. 48
Howe, H. M. Prof.	F. 3–4	512 M.	27 W. 73
Howland, J. Instr.		P. & S.	49 E. 53
Hubbard, Grace A. Lect.	M. 11–12	136 B.	621 W. 113
Hubbard, S. D. Clin. Asst.		V. C.	143 W. 103
Humphries, H. R. Clin. Asst.		V. C.	262 W. 83
Hunt, E. L. Instr.		P. & S.	4 W. 50
Huntington, G. S. Prof.		P. & S.	249 W. 102
Hurd, Florence L. Sec. Manual Tr. Dept. T. C.		T.	417 W. 118
Hutchinson, Mary E. Prin. Tr. Sch. Sloane Maternity Hosp'l		S. M. H.	457 W. 59
Huttmann, Maude A. Asst.	Th. 3–4	340 B.	417 W. 118
Hutton, F. R. Prof.		304 E.	319 W, 107
Hyde, Mary B. Instr.		T.	414 W. 118
Inglis, A. J. Tr.		H. M. S.	501 W. 113
Jackson, A. V. W. Prof.	M. W. 9.50	306 U.	10 Highland pl., Yonkers, N. Y.
Jackson, F. W. Prof.		P. & S.	555 Madison ave.
Jackson, G. T. Instr.		P. & S.	15 E. 29
Jackson, J. A. Clin. Asst.		V. C.	344 W. 85
Jacobi, A. Emer. Prof.			19 E. 47
Jacoby, H. Prof.	M. W. 10–11	610 F.	333 W. 76
Jaeger, C. H. Clin. Asst.		V. C.	24 W. 59
James, Clara C. Tr.		Sp. S.	
James, W. B. Prof.		P. & S.	17 W. 54
James, W. Non-resident Lect.			
Jelliffe, S. E. Prof. and Instr.		P. & S.	64 W. 56
Jessup, D. S. D. Asst. and Univ. Medical Visitor	Daily 5–6 & by appointment		301 W. 108
Johnson, H. Prof.	M. F. 3–4	320 T.	2881 Broadway
Jordan, D. Instr.	M. W. 10–11	301 W.	419 W. 115
Joüet, C. H. Tutor	Tu. 10–12; S. 11–12	505 Hv.	
Julien, A. A. Curator	M.–F. 10–12	303 S.	505 W. 124
Kane, R. A. Tr.		H. M. S.	242 E. 61
Kasner, E. Adj. Prof.	Tu. Th. 10	309 B.	22 W. 119

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Keator, H. M. Dem.		P. & S.	107 E. 70
Keith, J. S. Asst.		Gym.	Hartley Hall
Keller, Eleanor, Tutor		B.	417 W. 114
Kemp, J. F. Prof.	Tu. Th. 2.30–3.30	403 S.	211 W. 139
Kent, J. M. Asst.		P. & S.	B'way and 83
Kenyon, J. H. Asst. Instr.		P. & S.	47 W. 44
Keppel, F. P. Sec.	M.–F. 10–12; 2–4; S. 10–12	213 L.	142 E. 18
Kern, E. F. Tutor	M. Tu. F. 2–4	404 M.	Livingston Hall
Kernan, J. D. Clin. Asst.		V. C.	107 E. 70
Keyes, Maud V. Tr.		H. M. S.	1230 Amsterdam ave.
Keyser, C. J. Prof.	Tu. Th. 10	409 Ea.	510 W. 124
Kinne, Helen, Prof.	Tu. Th. 2; W. 11	417 T.	8 Morningside ave. E.
Kinnicutt, F. P. Prof.		P. & S.	39 E. 35
Kirchwey, Clara B. Instr.		T.	908 St. Nicholas ave.
Kirchwey, G. W. Prof. and Dean, Sch. of Law	M.–F. 11–12	206 L.	908 St. Nicholas ave.
Kirchwey, Mary F. Tr.		H. M. S.	908 St. Nicholas ave.
Knapp, A. H. Prof.		P. & S.	26 W. 40
Knapp, C. Prof.	Tu. Th. 1–2; W. 10–12	114 B.	1737 Sedgwick ave.
Knapp, C. B. Asst.		P. & S.	60 W. 76
Knapp, H. Emer. Prof.			26 W. 40
Knight, W. D., Sec. Com. on Employment for Students	M.–F. 9–5; S. 9–12	213 L.	
Krapp, G. P. Instr.	M. W. 3–4; Tu. 2–3	509 F.	157 W. 105
Kress, M. K. Adj. Prof.	M. Tu. W. F. 2–4	610 Hv.	272 W. 107
Kress, O. Asst.			438 W. 116
Krystall, B. E. Clin. Asst.		V. C.	1225 Madison ave.
Kurtz, E. L. Instr.	M. W. F. 10–11	403 M.	Livingston Hall
La Fetra, L. E. Instr.		P. & S.	58 W. 58
Lambert, A. Van S. Instr.		P. & S.	29 W. 36
Lambert, S. W. Prof. and Dean, Sch. of Medicine	M.–F. 11.30	P. & S.	130 E. 35
Lamme, M. A. Tutor	Tu. Th. 1–3	106 S.	4 W. 129
Langford, Grace, Asst.		B.	1230 Amsterdam ave.
Langzettel, Mrs. Marion B. B. Lect.		T.	414 W. 118
Larkin, J. H. Adj. Prof.		P. & S.	564 W. 161
Larmor, J. Non-resident Lect.			
Latham, Azubah J. Lect.		T.	503 W. 121
Latham, Helen, Instr.		H. M. S.	503 W. 121
Latham, Marion E. Asst.	F. 11–12	313 B.	417 W. 148
Lau, R. J. Lect.	M. W. 1–2	308 U.	650 Leonard, Bklyn.
Laufer, B. Lect. and Asst.	Th. 2–3	507 S.	135 W. 83
Lawrence, W. W. Instr.	Tu. Th. 11	507 F.	157 W. 105
Leaming, E. Instr.		P. & S.	33 W. 67
Lee, F. S. Prof.		P. & S.	125 E. 65
Lefferts, G. M. Emer. Prof.			212 Madison ave
Leshure, J. Clin. Asst.		V. C.	153 Convent ave.
Leslie, F. A. Asst.		Phar.	115 W. 68
Levy, D. H. Clin. Asst.		V. C.	134 W. 104
Lewis, Mary H. Tr.		H. M. S.	602 W. 146

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Lewis, R., Jr. Instr.		P. & S.	48 W. 40
Liggett, Mrs. N. W. Bursar, Barnard College	M.–F. 10–4; S. 10–12.30	B.	
Ling, G. H. Instr.	Tu. Th. 10.30–11	407 Ea.	435 W. 123
Lisle, Helen, Tr.		Sp. S.	
Lockwood, G. R. Instr.		P. & S.	18 E. 52
Lodge, G. Prof.	Tu. Th. 3–4	228 T.	604 W. 112
Loiseaux, L. A. Adj. Prof.	M. W. F. 12; Tu. Th. 4	303 W.	507 W. 124
Lord, H. G. Prof.	W. F. 10–11	416 L.	623 W. 113
Lovell, E. B. Adj. Prof.	Tu.11–12; Th. 9–10	409 E.	235 W. 102
Lucke, C. E. Adj. Prof.	Tu. Th. 10–11	207 E.	N. E. cor. Fifth ave. and 126
Lummer, O. Non-resident Lect.			
Luquer, L. McI. Adj. Prof.	Th. 2–4	306 S.	321 W. 80
Lyle, H. H. M. Clin. Asst.		V. C.	15 E. 48
McBurney, C. Prof.		P. & S.	38 E. 31
McCastline, W. H. Asst. Dir. Phys. Educ.		T.	
McConnell, R. H. Clin. Asst.		V. C.	42 W. 97
McCosh, A. J. Clin. Lect.		P. & S.	16 E. 54
McCrea, N. G. Prof.	M.W. F. 10–11	309 Ea.	417 W. 118
McEntee, E. J. Clin. Asst.		V. C.	93 Lee ave., Bklyn.
McGregor.J. H. Instr.	M. 10–12	610 S.	Livingston Hall
McKim, C. F. Dir. of Atelier	Tu.W. Th. 10–12	409 B.	160 Fifth ave.
McLane, J. W. Emer. Prof.		P. & S.	51 W. 38
McMahon, Kate, Instr.		T.	1230 Amsterdam ave.
McMurry, F. M. Prof.	M. F. 3	313 T.	9 Hillside Dr., Park Hill, Yonkers, N. Y.
McOsker, E. P. Manager of Dormitories			Hartley Hall
McRae, Frances E. Tutor		T.	111 W. 104
McWhood, L. B. Adj. Prof.	W. 10.30	606 M.	511 W. 112
McWilliams, C. A. Instr.		P. & S.	50 E. 53
MacAlarney, Emma L. Tr.		H. M. S.	430 W. 118
Macgregor, J. S. Asst.	Daily 9–12	308 E.	Livingston Hall
Maclay, J. Prof.	Tu. Th. 10.30	404 Ea.	435 W. 123
MacLear, Martha, Sec. to Princ. H. M. High School		H. M. S.	
MacNary, E. E. Tr.		H. M. S.	527 W. 125
Macumber, J. L. Clin. Asst.		V. C.	249 Washington ave., Bklyn.
MacVannel, J. A. Prof.	M. F. 11–12; Tu. Th. 3–4; S. 10–12	112 T.	411 W. 115
Main, T. F. Sec. Coll. of Phar.	M.–F. 9–5; S. 9–12	Phar.	44 Hudson
Maltby, Margaret E. Adj. Prof.	W. 9–10	240 B.	3609 Broadway
Mansfield, W. Instr.		Phar.	115 W. 68
Manson, L. S. Clin. Asst.		V. C.	152 E. 80
March, Maud, Instr.		T.	82 Morningside Ave.
Markoe, F. H. Prof.		P. & S.	15 E. 49
Marple, C. F. Instr.		T.	

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Marshall, Florence M. Tr.		H. M. S.	430 W. 118
Martin, W. Instr.		P. & S.	25 W. 50
Mathews, F. S. Instr.		P. & S.	62 W. 50
Matthews, B. Prof.	Tu. Th. 1 and 4	502 F.	681 West End ave.
Maury, J. W. D. Instr.		P. & S.	264 W. 57
Maxson, A. R. Tutor		408 Ea.	347 W. 123
May, W. R. Asst.		P. & S.	35 W. 36
Mayer, R. E. Adj. Prof.	M.–F. 9–11; 2–4	602 E.	33 Rich ave., Mt. Vernon, N. Y.
Mead, C. S. Asst.		602 S.	417 W. 121
Meara, F. S. Tutor		P. & S.	400 West End ave.
Meeker, H. D. Clin. Asst.		V. C.	41 W. 71
Mehan, Mrs. Caroline E. Instr.		T.	Carnegie Hall
Menut, Eugénie, Tr.		H. M. S,	
Merrill, Valeria I. Custodian Lib. H. M. S.		H. M. S.	1230 Amsterdam ave.
Mettler, A. J. Lect.	Tu. 11–12	506 Hv.	84 Henry, Bklyn.
Metzger, F. J. Tutor	M.–F. 2–4	303 Hv.	527 W. 124
Meyer, Anna E. H. Sec. Barnard College	M.–F. 10–12; 2–4; S. 10–12	B.	Park Hill, Yonkers, N. Y.
Meyer, G. M. Tutor		P. & S.	59 E. 77
Meylan, G. L. Adj. Prof. and Med. Dir. Gym.	M. Tu. Th. F. 2–4; W. 3–4; S. 11–12	Gym.	468 W. 141
Michaelis, A. Clin. Asst.		V. C.	173 E. 95
Miller, A. M. Instr.		P. & S.	341 W. 58
Miller, D. S. Lect.	Th. 11–12	510 S.	
Miller, E. H. Prof.	Tu. 11–12; Th. F. 10–11	507 Hv.	329 W. 83
Miller, E. Clin. Asst.		V. C.	231 E. 60
Miller, Edyth, Sec. Educ. Mus. T. C.		T.	
Miller, Ethelwyn, Tr.		H. M. S.	
Miller, J. A. Instr.		P. & S.	550 Park ave.
Miller, S. O. Tutor	M.–F. 2–4	603 E.	West Nyack, N. Y.
Mitchell, H. B. Adj. Prof.	M. W. F. 10–11	410 Ea.	The Benedict, Wash'n Sq. E.
Mitchell, S. A. Instr.	M. W. 10–11	606 F.	317 W. 121
Monroe, P. Prof.	Tu. Th. 2–3	314 T.	11 Prospect Dr., Yonkers, N. Y.
Montague, W. P. Instr.	M. W. 3–4; W. 10–11	417 L.	
Moore, H. L. Prof.		335 B.	510 W. 124
Moore, J. B. Prof.	M. W. F. 10–4	202 W.	
Morgan, J. L. R. Prof.	Daily 10–11	401 L.	267 W. 73
Morgan, T. H. Prof.	Daily 12–1	411 Hv.	New Brunswick, N. J.
Morhouse, O. A. Instr.		613 S.	409 W. 117
Morrill, C. V., Jr. Asst.		Phar.	115 W. 68
Morrison, C. E. Asst.	Tu. Th. F. 9–12	602 S.	430 W. 118
Morse, L. B. Asst.		401 E.	135 Hamilton pl.
Moses, A. J. Prof.	M.–F. 4–5	F.	524 W. 123
Muller, H. F. Tutor	Tu. Th. 11–12	307 S.	3611 Broadway
Munroe, H. S. Prof.	M. W. F. 11–12	111 B.	83 W. 103
		407 M.	501 W. 120
Neish, A. C. Tutor	Daily 10–12	418 Hv.	203 W. 113
Neitz, J. D. Tr.		H. M. S.	527 W. 124

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Nelson, A. H. Lect.		201 F.	Hartley Hall
Nelson, C. A., Head Ref. Lib.		L.	400 W. 153
Nelson, F. A. Lect.		603 Hv.	611 W. 112
Nichols, E. F. Prof.		408 F.	430 W. 118
Norrie, Van H. Instr.		P. & S.	21 W. 37
Norris, H. L. Asst. Supt. of B. &. G.		110 L.	
Norsworthy, Naomi, Instr.		T.	557 W. 124
Nourse, Lilla A. Tr.		H. M. S.	541 W. 123
Noyes, W. Instr.		T.	501 W. 123
Nutting, Margaret A. Prof.	Absent on leave	T.	
Oastler, F. R. Instr.		P. & S.	126 W. 59
Odell, G. C. D. Prof.	Tu. Th. 11.10	505 F.	44 W. 44
Oehler, J. Adj. Prof.		Phar.	115 W. 68
Oertel, H. Dem.		P. & S.	30 W. 44
Offerhaus, C. Asst.	Tu. 2–4	508 M.	Livingston Hall
Ogan, M. L. Clin. Asst.		V. C.	519 W. 152
Ogilvie, Ida H. Tutor	Tu. 11.10–12.10	214 B.	519 W. 152
Olcott, G. N. Adj. Prof.	M. W. 12–12.30	308 Ea.	438 W. 116
Oldham, Rev. G. A. Acting Chaplain	Tu.Th.F. 9–10	205 W.	
O'Neil, Elizabeth B. Sec. Publication Bureau, T. C.		T.	541 W. 124
Opdyke, Agnes, Act'g Registrar Barnard College	M.–F, 10–12; 2.30–4	B.	420 W. 118
Ordronaux, J. Emer. Prof.			30 Broad
Osborn, H. F. Prof.		608 S.	850 Madison ave.
Osgood, C. Clin. Asst.		V. C.	58 Central Pk. W.
Osgood, H. L. Prof.	Tu. Th. 4.30–5	320 U.	526 W. 150
Page, C. H. Adj. Prof.			
Painter, H. M. Prof.		P. & S.	62 W. 55
Palmer, Luella A. Tr.		Sp. S.	235 E. 18
Parker, H. C. Adj. Prof.	Tu.-F. 2.30–4.30	410 F.	21 Fort Greene pl., Bklyn.
Parker, W. B. Lect.	W. F. 1.30	507 F.	147 W. 105
Patterson, H. S. Instr.		P. & S.	51 W. 58
Peabody, Mary G. Tr.		H. M. S.	414 W. 118
Pearson, H. C. Prin. H. M. El. Sch.	M.W.Th. 2–3; Tu. 8.45–10	H. M. S.	501 W. 120
Peck, C. H. Instr.		P. & S.	30 W. 50
Peck, H. T. Prof.	W. 11–12; F. 4–5	301 Ea.	
Peele, R. Prof.	M.W.F. 10–11	405 M.	351 W. 114
Pegram, G. B. Instr.		205 F.	509 W. 124
Pellew, C. E. Adj. Prof.	Tu. F. S. 12–1	416 Hv.	
Periam, Annina, Tutor	W. F. 11	212 B.	55 Roseville ave., Newark, N. J.
Perry, E. D. Prof. and Dean, Sch. Philos.	M. W. F. 3–4	304 Ea.	542 W. 114
Peterson, F. Clin. Prof.		P. & S.	4 W. 50
Pfister, J. C. Adj. Prof.	M. W. F. 1–2	614 F.	240 Sixth Ave. (Roseville), Newark, N. J.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Pitkin, W. B. Tutor		335 B.	327 Union ave., Mt. Vernon, N. Y.
Pool, E. H. Instr.		P. & S.	57 W. 45
Poor, C. L. Prof.	Tu. Th. 10–11	608 F.	4 E. 48
Poore, C. T. Clin. Lect.		P. & S.	43 W. 53
Pope, J. R. Assoc. Dir. of Atelier			
Potter, N. B. Instr.		P. & S.	9 W. 35
Pratt, Isabelle L. Sec. Appointment Committee T. C.		T.	221 W. 104
Pratt, Marion R. Exec. Sec. H. M. S.		H. M. S.	221 W. 104
Prentice, A. C. Clin. Asst.		V. C.	155 W. 46
Prescott, Harriet B. Sup. Lib.		L.	34 Gramercy Pk.
Prettyman, A. I. Asst.		Gym.	468 W. 141
Prettyman, V. Prin. H. M. High School	M. W. Th. 9.30–11	H. M. S.	Park Hill, Yonkers, N. Y.
Prince, J. D. Prof.	Th. 3.10	308 U.	Sterlington, N. Y.
Proben, C. J. Instr.		P. & S.	970 Lexington ave.
Prout, T. P. Clin. Asst.		V. C.	204 W. 55
Prudden, T. M. Prof.		P. & S.	160 W. 59
Pupin, M. I. Prof.			
Putnam, C. R. L. Dem.		P. & S.	121 E. 38
Rand, Edith E. Tr.		H. M. S.	223 W. 106
Rautenstrauch, W. Adj. Prof.	M. W. 10–11	507 E.	181 Claremont ave.
Rea, Matilda G. Asst.		T.	2 W. 32
Redfield, H. S. Prof.	M. W. F. 3–5	414 L.	567 W. 113
Reed, Margaret A. Tutor	M. 9–10	415 B.	1230 Amsterdam ave.
Rees, J. K. Emer. Prof.			261 Central Pk. W.
Reid, D. B. Asst.		Gym.	328 W. 56
Reimer, Marie, Instr.	M. Th. 1–2	438 B.	420 W. 118
Remy, A. F. J. Instr.	M. W. 3–4	311 U.	222 W. 141
Reynolds, Grace P. Asst.	Tu. W. 1–2	436 B.	17 Madison Sq. N.
Reynolds, W. S. Instr.		P. & S.	66 W. 71
Richard, E. D. Lect.	Tu. Th. 2–3	203 W.	12 W. 103
Richards, A. N. Instr.		P. & S.	311 W. 97
Richards, C. R. Prof.	M. 3–4; Tu. 11–12.30	122 T.	319 W. 107
Richards, Mrs. E. H. Lect.		T.	1230 Amsterdam ave.
Richards, H. M. Prof.	M. F. 10	316 B.	628 W. 114
Riggs, A. F. Asst.		P. & S.	48 E. 30
Robbins, Ida E. Tr.		H. M. S.	
Robbins, Mrs. L. W. Dir. in Sp. S.		Sp. S.	94 Lawrence
Robinson, E. Asst. Dir. Met. Mus. of Art			
Robinson, J. H. Prof.	Tu. Th. 9.30–10; W. 3.30–4	323 U.	567 W. 113
Rogers, Lillian E. Tr.		H. M. S.	508 W. 113
Rosenheck, C. Clin. Asst.		V. C.	274 W. 132
Rubel, Nellie, Asst.		Sp. S.	503 W. 121
Rübner, C. Prof.	Th. 2	607 M.	504 W. 112
Ruediger, W. C. Asst.	M.–Th. 3–4	511 S.	426 W. 124
Rusby, H. H. Prof. and Dean Coll. of Phar.	Tu. S. 9.30–10.30; W. 11.30–1; F. 10.30–11.30	Phar.	776 De Graw ave., Newark, N. J.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Russell, J. E. Prof. and Dean Teachers College	M.–F. 11–12	T.	500 W. 121
Russell, J. I. Clin. Asst.		V. C.	200 W. 57
Russell, Mabel C. Tr.		Sp. S.	94 Lawrence
Russell, Martha M. Supt, Sloane Maternity Hospital		S. M. H.	457 W. 59
Russell, Myrta, Asst.		H. M. S.	
Ryder, G. H. Instr.		P. & S.	457 W. 59
Sachs, J. Prof.	M. W. 3.30–4; S. 10.30–11	220 T.	149 W. 81
Sage, Elizabeth, Instr.		T.	2337 Broadway
Salant, W. Asst.		P. & S.	36 W. 114
Saville, M. H. Prof.	M. W. 10	405 S.	292 W. 92
Sawyer, C. P. Press Representative	Daily 4–5	303 U.	208 Broadway
Sayre, A. M. Asst.	W. Th. 1.10; F. 3–10	406 W.	Livingston Hall
Schenck, Aletta Van W. Asst.		T.	611 W. 112
Schmitt, A. E. Asst. Instr.		P. & S.	123 E. 60
Schulte, H. von W. Dem. and Asst.		P. & S.	295 Central Pk. W.
Schumacher, H. Prof.	Tu. Th. 11–12	403 L.	
Schüssler, Amy, Princ. Sp. S.		Sp. S.	558 W. 182
Seager, H. R. Prof.	Tu. Th. 2–3	408 L.	635 W. 115
Seibert, Jeannette R. Recorder, Dept. of Phys. Educ. T. C.		T.	640 Putnam ave. Bklyn.
Seligman, E. R. A. Prof.	M. W. 2–3	409 L.	324 W. 86
Sever, G. F. Prof. and Act'g Dean Sch. App. Sci.	Tu. Th. 9–12	405 E.	101 and West End ave.
Sewall, F. H. Asst.	Tu. 9–11; Th. 10–12; S. 9–12	407 E.	37 W. 22
Shaw, F. W. Sec. Gym.		Gym.	Hartley Hall
Shear, T. L. Tutor		112 B.	364 W. 120
Shearer, L. H. Dem. and Asst.		P. & S.	133 E. 57
Shepherd, W. R. Adj. Prof.	M. W. 3.10	321 U.	318 W. 84
Sherman, F. D. Prof.	W. 10–12; Tu. Th. 11–12	613 Hv.	158 W. 105
Sherman, H. C. Adj. Prof.	Tu. 9–10; F. 10–11	509 Hv.	529 W. 124
Shoemaker, A. Asst.		Gym.	265 Henry
Shotwell, J. T. Adj. Prof.	W. 9–10; Th. 3–4	301 L. & 340 B.	430 W. 118
Shrady, A. M. Instr.		P. & S.	1 W. 68
Sicard, M. H. Clin. Asst.		V. C.	15 E. 47
Siceloff, L. P. Tutor,	M. W. 2–3	402 Ea.	Hartley Hall
Silver, L. M. Clin. Asst.		V. C.	103 W. 72
Simkhovitch, V. G. Adj. Prof.		307 L.	
Simpson, W. K. Prof.		P. & S.	952 Lexington ave.
Sinclair, J. E. Asst.	W. F. 1–3	106 S.	62 Taylor, Newark, N. J.
Skarstrom, W. Instr.	M.S. 9; W. 10; F. 4–5.30	Gym.	510 W. 124
Sleffel, C. C. Instr.	W. F. 12.40–2	321 T.	509 W. 124
Sloane, W. M. Prof.		319 U.	105 E. 69
Smith, C. H. Asst.		P. & S.	B'way and 112

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Smith, D. E. Prof.	Tu. Th. 10	212 T.	250 W. 88
Smith, E. R. Ref. Lib.		L.	
Smith, F. C. Clin. Asst.		V. C.	362 W. 57
Smith, Munroe, Prof.	M. 3–4 ; F. 2–3	409 L.	152 E. 35
Snedden, D. S. Adj. Prof.	M.–F.12–12.30	215 T.	63 Morningside ave. E.
Snelling, G. T. Instr.	Tu. 10–10.30	602 Hv.	35 E. 30
Solley, F. P. Instr.		P. & S.	114 E. 60
Speranza, C. L. Prof.	Tu. Th. 3.10	304 W.	120 E. 86
Spingarn, J. E. Adj. Prof.		401 W.	
Sprague, S. E. Clin. Asst.		V. C.	71 W. 55
Stackpole, Caroline, Asst.		T.	605 W. 115
Starr, M. A. Prof.		P. & S.	5 W. 54
Steeves, H. R. Asst.	Tu. Th. 11	405 W.	226 W. 113
Stein, J. B. Clin. Asst.		V. C.	101 W. 80
Stephens, F. M. Instr.		P. & S.	71 W. 49
Stevens, Romiett, Asst.		T.	1230 Amsterdam ave.
Stevenson, E. L. Lect.	M. W. 3–4		New Brunswick, N. J.
Stimson, Alice M. Sec. H. M. S.		H. M. S.	
Stone, W. S. Instr.		P. & S.	41 W. 71
Stoughton, B. Adj. Prof.	Tu. F. 2–4	512 M.	321 W. 94
Strayer, G. D. Instr.		H. M. S.	530 W. 123
Strong, C. A. Prof.		409 S.	Lakewood, N. J.
Strong, Harriette L. Tr.		Sp. S.	430 W. 118
Strong, O. S. Instr.		P. & S.	507 W. 124
Strong, R. M. Asst.	Daily 1–4	207 E.	400 Manhattan ave.
Sumner, A. E. Instr.		P. & S.	127 W. 58
Sutherland, Louise C. Instr.		T.	1230 Amsterdam ave.
Swart, C. T. Tutor	M.–F. 9–5	304 E.	226 S. Second ave., Mt. Vernon, N. Y.
Swartz, Mary D. Asst.		T.	1230 Amsterdam ave.
Swift, G. M. Instr.		P. & S.	20 W. 55
Sykes, F. H. Prof. and Dir. Extension Teaching	Daily 11	217 T.	Lowerre Summit, Yonkers, N. Y.
Tassin, A. De V. Lect.	Tu. Th. 12–12.30	137 B.	14 Lexington ave.
Tawney, G. A. Lect.			
Taylor, A. S. Asst. Instr.		P. & S.	152 W. 57
Taylor, H. C. Instr.		P. & S.	24 W. 50
Tenney, A. A. Tutor	Tu. 4.10	205 W.	417 W. 121
Terry, C. T. Prof.	M. Tu. Th. F. 4.15–4.30 ; 5.30–6	413 L.	23 E. 77
Thacher, J. S. Prof.		P. & S.	839 Madison ave.
Thatcher, E. J. Instr.		T.	
Thomas, C. Prof.	Tu. Th. 10.10–11.10	312 U.	430 W. 116
Thompson, Elizabeth I. Asst.	F. 11–12	313 B.	21 First Pl., Bklyn.
Thorndike, A. H. Prof.	M. W. 2–3; S. 9–10	508 F.	606 W. 113
Thorndike, E. L. Prof.	M. 10–11, 1–2; W. 10–11	321 T.	530 W. 123
Thurber, S. W. Instr.		P. & S.	104 E. 39
Todd, G. W. Clin. Asst.		V. C.	225 West End ave.
Todd, H. A. Prof.		302 W.	
Tombo, R., Jr. Adj. Prof. and Registrar	M.–F. 9–4; S. 9–12	109 L.	628 W. 114

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Toussaint, C. A. Asst.	M.–F. 10–12	405 E.	3688 Boulevard, Jersey City, N. J.
Townsend, F. Instr.		505 E.	
Trent, W. P. Prof.	Th. 12–12.30	502 F.	279 W. 71
Trowbridge, C. C. Instr.	M.–F. 2–4	401 F.	St. Anthony Hall, Riverside Dr. & 116
Tucker, S. A. Adj. Prof.	M.–F. 9.30–5	102 Hv.	155 E. 61
Tufts, F. L. Adj. Prof.	M.W.F. 11–12	305 F.	541 W. 124
Turnure, P. R. Instr.		P. & S.	55 W. 49
Tuttle, G. A. Dem.		P. & S.	48 W. 49
Tyson, H. H. Instr.		P. & S.	47 W. 51
Uhlig, W. C. Asst.	M.–F. 1–4	516 Hv.	242 Halsted, E. Orange, N. J.
Underhill, Laura B. Tr.		H. M. S.	
Underwood, L. M. Prof.	M. 10–12	506 S.	Redding, Conn.
Upton, C. B. Asst.		T.	504 W. 113
Upton, Mrs. Siegried M. Tr.		H. M. S.	504 W. 113
Vail, Mary B. Instr.		T.	Edgewater, N. J.
Valentine, Laura, Lib. and Sec. Sp. S.		Sp. S.	94 Lawrence
Van Alstine, Celia, Tr.		Sp. S.	
Van Amringe, J. H. Prof. and Dean, Columbia College	W. F. 1.10	205 Ea.	48 E. 26
Van Arsdale, May B. Instr.		T.	457 W. 123
Van Beuren, F. T. Dem.		P. & S.	51 W. 52
Van Cleef, F. C. Tr.		H. M. S.	
Van Ingen, P. Asst.		P. & S.	125 E. 71
Van Pelt, J. V. Assoc. Dir. of Atelier	M. Th. 2–3	147 W. 42	126 E. 19
Van Wagenen, C. D. Clin. Asst.		V. C.	15 E. 48
Van Zandt, Margaret, Sup. Lib.		L.	415 W. 118
Vogel, K. M. Asst.		P. & S.	80 E. 55
Von Dannenberg, C. O. Asst.	Daily 1–5	202 E.	22 Townsend ave., Clifton, S. I.
Voorhees, J. D. Lect.		P. & S.	180 W. 59
Vorisek, A. Prof.		Phar.	115 W. 68
Vulté, H. T. Adj. Prof.	Tu.W. Th. 11–12	401 T.	33 Park ave., New Rochelle, N. Y.
Wadsworth, A. B. Instr.		P. & S.	180 W. 59
Walker, J. B. Clin. Lect.		P. & S.	33 E. 33
Ward, F. E. Organist,	M.–F. 8.45–9.10	E. H.	216 King, Port Chester, N. Y.
Ware, W. R. Emer. Prof.			Milton, Mass.
Warner, L. A. Instr.		T	2 Home, White Plains, N. Y.
Warren, C. P. Instr.		602 Hv.	
Watkins, S. S. Asst.	M.–F. 9–12	201 E.	634 W. 138
Webster, C. E. Clin. Asst.		V. C.	749 Madison ave.
Webster, Marion L. Asst.		H. M. S.	1230 Amsterdam ave.
Weick, C. W. Instr.		T.	507 W. 124
Weinrich, M. F. Asst.	M.–F. 2–4	605 E.	76 Ashburton ave., Yonkers, N. Y.
Weir, R. F. Prof.		P. & S.	11 E. 54
Weiser, Lucy H. Tr.		H. M. S.	256 W. 85

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Welker, W. H. Asst.		P. & S.	137 W. 143
Welles, Katharine, Tr.		H. M. S.	602 W. 146
Wells, F. L. Asst.	M.–F. 9.10	512 S.	567 W. 113
Wells, J. S. C. Adj. Prof.	Absent on leave		
Westcott, A. F. Lect.			
Wheeler, Clara M. Tr.		H. M. S.	502 W. 113
Wheeler, J. R. Prof. and Act'g Dean Fac. Fine Arts	M. 11.10 ; W. 3.10	304 Ea.	433 W. 117
Wheelock, Mrs. Elizabeth M. Tr.		H. M. S.	
Whitaker, A. C. Lect.	M.W. 11.10–12	206 W.	328 W. 113
Whiting, J. R. Instr.		P. & S.	120 W. 55
Whitley, Mary T. Asst.		T.	534 W. 124
Whitman, R. Clin. Lect. and Instr.		P. & S.	283 Lexington ave.
Whittemore, Laura B. Tr.		H. M. S.	8 Morningside Pk. E
Wilcox, F. E. Tr.		H. M. S.	
Wilcox, H. B. Clin. Asst.		V. C.	515 Madison ave.
Wilde, Harriet, Instr.		T.	2085 Amsterdam ave.
Williams, L. R. Asst.		P. & S.	839 Madison ave.
Williams, P. H. Clin. Asst.		V. C.	22 E. 48
Williams, R. H. Tr.		H. M. S.	527 W. 124
Williams, S. R. Lect.	Tu. Th. 10–12	232 B.	509 W. 124
Williams, W. R. Instr.		P. & S.	Hotel San Remo
Wills, A. P. Adj. Prof.	Tu. 9–10; Th. 9–11	603 F.	515 W. 122
Wilson, E. B. Prof.	Tu.–F. 11–12	609 S.	
Wilzin, I. M. Clin. Asst.		V. C.	2412 Seventh ave.
Wimmer, C. P. Instr.		Phar.	115 W. 68
Wissler, C. Lect.			457 W. 123
Wood, F. C. Prof.		P. & S.	201 W. 55
Wood, T. D. Prof.	M.–F. 9–10 ; 2–3	157 T.	500 W. 121
Woodbridge, F. J. E. Prof.	M. W. 2	420 L.	Welcher Hill & Wash. st., Peekskill, N. Y.
Woodhull, J. F. Prof.	M. W. F. 11	413 T.	501 W. 120
Woodman, L. E. Asst.	M.W.F.11.15–12.15	303 F.	524 W. 123
Woods, S. H. Asst.	Th. 10–11	506 E.	Livingston Hall
Woodward, B. D. Prof.	Absent on leave		
Woodworth, R. S. Adj. Prof.	M. W. 3	409 S.	530 W. 124
Woolman, Mrs. Mary S. Prof.	Tu. 10; F. 2	332 T.	21 W. 101
Woolson, I. H. Adj. Prof.	M.–F. 9–5.30	308 E.	201 Franklin, Astoria, L. I.
Yard, A. B. Clin. Asst.		V. C.	28 W. 105
Yates, W. H. Tutor	Tu.Th.S.10–11	509 E.	449 W. 123
Yocum, J. G. Dem.		P. & S.	128 E. 73
Yohannan, A. Lect.	Tu. Th. 1–2	404 W.	321 W. 118
Young, C. H. Prof.	M. 3–4	306 Ea.	312 W. 88
Zerbe, Margaret M. Asst.		T.	
Zinsser, H. Asst.		P. & S.	101 W. 80

DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

c College
l School of Law
m School of Medicine
p School of Pure Science
ph School of Philosophy
pl School of Political Science
s School of Mines, Chemistry, and Engineering
b Barnard College
t Teachers College
f a Fine Arts (Architecture, Music and Design)

The numbers 1, 2, 3, and 4 preceding these letters indicate the class. The abbreviation **gr** indicates a graduate student in the professional schools, **nm** a non-matriculated student.

The names of women are printed in *italics*.

"Hartley," "Livingston" and "Whittier" refer to the University Residence Halls.

See pages 48–54 for a list of students registering after October 1.

Abbey, E. N. 2 *l* Livingston
Abbott, F. B. gr *t* 119 W. 117th
Abels, M. J. S. *pl* 73 E. 115
Abernathy, T. M. 4 gr Whittier
Abraham, M. 2 b 46 W. 90
Acker, L. B. 1 b 337½ W. 55
Ackerman, H. C. *ph* 175 Ninth ave.
Adams, E. L. 4 t 500 W. 123
Adams, F. E. *f a* 150 W. 92
Adams, I. B. 4 b Mount Kisco, N. Y.
Adams, H. 4 t 340 Stuyvesant ave., Bklyn.
Adams, H. C. 3 *s* 957 St. Nicholas ave., Bklyn.
Adams, J. B. ph 416 W. 118
Adams, K. M. 2 t Montclair, N. J.
Adams, P. H. 2 *m* 106 E. 70
Adams, R. A. 1 *l* 16 St. Nicholas pl.
Adamson, E. M. 3 t 434 St. Nicholas ave.
Adler, R. S. *f a* Livingston
Agnew, T. 4 *t* Bloomfield, N. J.
Aiguier, H. L. 2 b 622 Clifton ave., Newark, N. J.
Aigeltinger, A. 4 *s* 531 W. 113
Akin, A. H. gr t Whittier
Alexander, C. C. *ph* Livingston
Alexander, E. R. 3 *s* 608 Madison, Bklyn
Alexander, I. 3 b 346 W. 71st
Alexander, L. F. 2 b 940 St. Nicholas ave.
Alexander, T. M. 3 *c* 764 St. Nicholas ave.
Alexander, W. A. 2 *s* 608 Madison
Allen, E. G. 3 b Hotel San Remo
Allen, T. H. 4 *m*
Allen, W. H. 3 *c* 1152 Pacific, Bklyn.
Allen, W. L. 1 *s* 506 W. 113
Alles, R. H. *ph* c/o C. E. Hope, 130 W. 123
Allison, Wilmer L. *nm* 258 W. 55
Alterman, J. J. 2 *c* 135 Eighth ave.
Althaus, A. L. 4 b 2770 Briggs ave., Bedford Park
Amend, C. G. 3 *s* 33 W. 81
Ames, C. E. 4 *c* 1262 Tremont ave.
Ames, J. S. 2 *m* Hartley
Amezaga, R. S. 2 *s.* 209 W. 97
Amidon, D. E. 1 *c* 113 W. 93
Anable, A. 3 t 503 W. 121
Anderson, C. A. 4 *m* 328 W. 56
Anderson, L. S. 1 b 318-43, Bklyn.
Anderson, R. H. 1 *l* 105 Morningside ave.

Andrei, C. 3 *s* 228 East 105
Andrews, F. M. 4 t
1822 Monroe ave.
Angell, M. A. 4 *t*
1192 Dawson, Bronx
Annan, R. 2 *s* 608 W. 113
Anthony, A. G. 4 b *229 W. 115*
Apeztezina, J. J. 2 *s* 306 W. 109
Aplington, H. T. 4 *c* 443 W. 85
Appel, A. 2 *c* 29 Catherine
Appel, F. J. 3 *t* 32 W. 123
Archbald, H. 3 *s* 526 W. 123
Arkenburgh, G. S. 2 b
517 West 124
Arms, G. T. 1 *l*
Armstrong, A. C. 3 *s* 411 W. 117
Armstrong, C. P. 3 b *144 E. 37*
Armstrong, D. 2 *c* 144 E. 37
Armstrong, D. 3 *l* 344 W. 113
Armstrong, L. J. 3 b *144 E. 37*
Armstrong, L. L. 3 b
Upper Montclair, N. J.
Armstrong, M. E. 2 b
756 Putnam ave., Bklyn.
Arner, G. B. L. *pl* Hartley
Arnold, G. O. 4 *s.* 508 W. 112
Arnold, M. L. *ph* Hartley
Arnsfield, J. J. 4 *s*
2031 Seventh ave.
Arnstein, L. A. 4 *s* 117 E. 81
Arnstein, W. L. 2 *s* 205 E. 57
Aron, B. M. 2 b
Liberty rd., Englewood, N. J.
Aschner, P. W. 1 *c*
111 Clark, Bklyn.
Ash, A. 3 b *316 W. 103*
Ashby, H. E. 4 t *Whittier*
Askowith, D. 3 b
1771 Madison ave.
Aston, A. 2 *l* 78 Hanson pl., Bklyn.
Atwater, H. C. 4 *s* 40 W. 59
Atwood, N. 3 t *514 W. 122*
Auerbach, E. F. 3 b *304 W. 87*
Auslander, A. gr *t* 251 W. 123
Axelrad, J. 3 *m* 564 W. 52
Axt, May C. 3 b
Port Richmond, S. I.
Axtell, S. B. 1 *l* 353 W. 17
Ayers, D. R. 2 *m* 337 W. 34

Baar, M. D. 2 b
20 Morningside ave.
Babcock, D. P. 4 *s* 500 W. 123
Babcock, E. 4 t *Whittier*
Babcock, H. G. 3 *s* 500 West 123
Babcock, T. S. 1 *s* Pelham Manor
Bach, R. F. *c* 2516 Eighth ave.
Bachner, E. B. 1 b *520 W. 122*
Bachner, M. 1 b *520 W. 122*
Back, E. M. 3 b
62 Morris, Yonkers
Baechler, J. 4 *m* 134 W. 29
Baegel, M. 3 *m* 112 Henry
Baehr, G. 3 *m* 78 W. 94
Baer, S. 1 *s* 114 East 87
Bagley, G. J. 3 *c* Rahway, N. J.
Bagnasco, J. M. 4 t
27 Weil pl., Astoria, L. I.
Bagnell, R. H. 3 *c* 60 Seventh
Bailey, M. H. 4 b *92 Fourth ave.*
Bailey, M. W. 1 b *92 Fourth ave.*
Bailey, R. D. 4 *s* 417 W. 117
Bailly, E. C. 1 *l* 1011 Hartley
Baker, A. G. *l* 432 Third ave.
Baker, J. A. Jr. 1 *s.* 314 W. 88
Baker, R. W. 2 *s* 135 W. 116
Baldwin, H. V. 3 *s* 413 W. 117
Baldwin, R. C. gr t *511 W. 112*
Ball, D. A. 3 t
210 Alexander ave.
Bamber, W. R. 2 *s*
844 Union, Bklyn.
Bancroft, M. L. gr t *Whittier*
Bangs, F. N. 1 *c* 161 W. 73
Bangs, G. H. 2 *s* 431 W. 162
Bangs, H. McC. 1 *l* 627 W. 115
Bangser, A. 4 *c* 326 W. 113
Banks, H. P. 3 *c* 304 W. 91
Baragwanath, J. G. 2 *c* 253 W. 103
Baranoff, Mrs. R. t *533 W. 133*
Barber, F. 205 Hartley
Barber, F. W. 2 *t* 523 W. 124
Barnard, A. M. ph *419 W. 118*
Barofsky, T. 1 b *149 Clinton*
Barr, L. E. 3 t *417 W. 120*
Barber, H. C. *f a*
191 Lefferts pl., Bklyn.
Barbour, R. 2 *s* 11 W. 53
Barnekov, J. K. 2 *c*
81 Morningside ave.
Barnett, N. 3 *m*
400 West End ave.
Barnitt, J. B. 2 *s* Hartley
Barnum, R. F. 1 *c*
Baroff, A. 1 *c*
1458 Brook ave., Bronx
Barrett, G. H. 1 *s* 52 E. 69
Barrett, P. S. 1 *c*
511 Lafayette ave., Bklyn.
Barrows, W. 2 b *521 W. 122*
Barteld, H. C. 4 *s*
177 Hancock, Bklyn.
Barton, N. E. gr t *528 W. 123*
Bartow, L. 2 *c* 33 W. 73

Bashford, H. 3 t
119 Warburton ave, Yonkers
Bass, M. H. 4 *t* 57 W. 91
Bassett, E. J. 3 *c* 619 W. 113
Bassett, H. K. 4 *t* 505 W. 122
Bates, B .M. 4 t 137 Clinton, Bklyn.
Bates, E. C. 3 *m* 154 W. 65
Bates, E. S. *ph* 521 W. 135
Bates, M. *s* 200 Riverside Drive
Bates, S. E. 1 *c*
243 E. 6, Plainfield, N. J.
Bates, W. S. 3 *s* 49 E. 49
Batt, R. M. 1 *c* Hartley
Battell, H. M. 4 b *561 W. 149*
Bauchle, T. H. Jr. 2 *c* 25 W. 86
Baum, A. L. 2 *c* 32 W. 128
Baum, P. 4 *c* 88 First
Baumann, O. I. 1 *m* 336 E. 72
vom Baur, E. E. 2 b *18 W. 130*
Baxter, M. W. pl *Whittier*
Bayern, F. J. 3 t *351 E. 72*
Beach, W. H. 3 *l* 511 W. 122
Beal, V. 4 t *530 W. 123*
Beard, T. Jr. *c*
103 St. James pl., Bklyn.
Beattie, H. M. 4 *s* 606 W. 115
Beck, D. 1 *m* 84 Ave. B
Beck, E. A. gr. t *Whittier*
Becker, F. C. *ph* Livingston
Beckman, R. 3 b *46 W. 129*
Bedinger, H. G. 2 *l* Livingston
Beers, B. A. 3 b
35 Clinton pl., Jamaica, N. Y.
Beggs, G. E. *s* 111 Livingston
Belcher, M. B. 4 t *42 Highland ave., Upper Montclair, N. J.*
Bell, H. K. 4 *c* 243 Madison ave., Flushing, L. I.
Bell, M. B. V. 3 t 32 Bodine, West Brighton, S. I.
Bell, W. A. Jr. 1 *c* 1155-47, Bklyn.
Beller, A. J. 1 *m* 240 Rivington
Beller, W. C. ph *51 E. 123*
Bender, T. 1 *m*
Bendick, A. J. 2 *m*
Hotel Marseilles
Benedict, M. E. 3 t *500 W. 123*
Benedict, V. 1 *s* 523 W. 152
Benjamin, E. L. 1 *m* 135 Norfolk
Bennett, C. E. 4 b
1963 Seventh ave.
Bennett, C. R. 3 t *2 W. 120*
Benson, H. K. *p* 205 W. 109
Benson, L. W. 2 *t* 439 W. 123
Bentley, E. 3 t *Whittier*
Benton, H. L. *pl* 225 W. 99
Benton, N. K. 2 *m* 188 N. 9, Newark
Benzies, J. R. 1 *c* 227 W. 38
Berg, A. V. *f a* Livingston
Bergamini, R. 3 t *55 W. Ninth*
Bergman, H. M. 4 *s* 128 W. 112
Bergmann, R. C. 3 *s* 19 E. 126
Beringer, A. L. ph *417 W. 118*
Berinstein, B. 1 *c*
Berkowitz, L. 4 *c*
283 Wallabout, Bklyn.
Berliner, L. H. 3 *c* 234 W. 139
Bernays, J. 3 b *121 W. 119*
Bernfeld. L. M. 2 *s* 120½ First ave.
Bernkopf, B. M. 4 b *223 W. 138*
Bernstein. C. D. *f a* 76 W. 119
Bernstein, M. H. 2 *l* 361 W. 117
Bertini, A. A. *l* 154 Bleecker
Bessie, A. 3 *c*
991 Union ave., Bronx
Best, H. 1 *l* 474 W. 152
Betjemann, H. C. 4 *c*
230 Third ave.
Bevier, L., 3rd 1 *l* 244
Bibby, H. L. *m*
Belle Vista, Paterson, N. J.
Bierman, H. 4 *c* 513 E. 82
Bijur, H. 3 *c* 160 W. 75
Billingsley, P. 3 *c*
446 Macon, Bklyn.
Bisch, L. E. 4 *c* Hartley
Bischoff, S. 1 *s* 103 W. 114
Bishara, K. A. 1 *l* Livingston
Bishop, F. W. 2 *c* 202 W. 103
Bishop, M. 2 *l* 152 E. 37
Bissell, P. St. G. Jr. 2 *c*
Freeport, L. I.
Bitner, J. B. 4 t *412 W. 115*
Blaber, J. T. 1 *c* 203-18, Bklyn.
Blaber, M. P. 1 203-18, Bklyn.
Black, F. A. 2 b *211 W. 106*
Black, H. S. 1 *s*
1162 Jackson ave., Bronx
Blackwood, W. C. 2 *s*
404 St. Nicholas ave.
Blake, C. L. ph
Blakeslee, R. E. 4 *t* 218 W. 123
Blakely, S. B. 3 *m* 216 W. 104
Blauvelt ,A .la T 4 t *Whittier*
Blechman, J. P. 1 *l* 4 E. 119
Blend, A. E. 4 *t*
1288 Amsterdam ave.
Blinn, O. S. 2 *c*
496 Jefferson ave., Bklyn.
Bliss, E. F. 2 *s* 135 E. 49
Bloch, A. *f a* 1111 Forest ave.
Block, A. P. 2 *m* 87 W. 119
Block, M. 3 *c*
848 Greene ave., Bklyn.

Blocker, S. *ph*
Bloom, I 3 *c* 183 Varet, Bklyn.
Bloom, I. 2 *c* 26 W. 119
Bloomgarden, A. S. 3 *m*
550 ave. A, Bayonne, N. J.
Blum, H. 2 *m* Livingston
Blum, J. 1 *m* 106 W. 115
Blumberg, H. 4 *c*
268 Stockton, Bklyn.
Blumenfeld, R. 1 *s* 11 W. 82
Blumenthal, P. 1 *s* 34 W. 71
Boardman, M. T. 3 b
Bloomfield, N. J.
Boas, H. M. 2 b *123 W. 82*
Bode, G. H. 3 *s* 424 W. 147
Boer, J. M. de 4 t 153 Riverdale ave., Yonkers, N. Y.
Bohan, L. 1 b *Broadway 121*
Bohn, F. *pl* Livingston
Boice, C. L. 4 t *526 W. 123*
Boice, H. W. 4 *m*
400 Washington ave., Bklyn.
Bond, S. F. 4 *s* 321 Hartley
Bondy, E. L. 2 *l*
477 Manhattan ave.
Bonfils, G. A. 1 b *511 W. 122*
Bonner, R. O. 2 *s* Livingston
Bonnevie, K. p *Whittier*
Bonnlander, V. C. 3 *c*
1509 De Kalb ave., Bklyn.
Bonsall, V. F. M. *p* Livingston
Boorman, K. M. 3 *c*
Riverside drive and W. 173
Boote, M. L. 4 b *515 W. 122*
Borchardt, A. H. 2 *s*
1330 Pacific, Bklyn.
Borchardt, E. M. 3 *c* 352 E. 124
Born, S. 1 *s* 320 W. 139
Borland, M. 1 b *116 E. 37*
Bosworth, W. H. 4 *s*
902 West End ave.
Botsford, C. S. 3 *t* 531 W. 155
Botsford, M. R. ph *419 W. 118*
Bower, G. L. 4 t *507 W. 124*
Bowers, W C. 3 *m* 147 W. 63
Bowes, C. M. 1 *s* 404 W. 116
Bowes, W. R. 3 *s* 404 W. 116
Boyd, M. A. 2 b
Jessup Place, High Bridge
Boyd, V. T. 4 t *519 W. 122*
Boyle, E. Mac, 3 *s* Hartley
Boyle, J. N. 2 *l* 531 W. 113
Bradshaw, W. M. 2 *m* 55 E. 72
Brady, W. G., Jr. 3 *c* 109 W. 122
Brainerd, H. B. 2 *c* 135 E. 30
Brainin, C. S. 3 c
1851 Madison ave.
Brand, J. 4 b *332 Third ave.*
Brandley, W. G. 3 *c*
52 Hillside pl., Newark, N. J.
Braun, A. P. 4 *s* 608 W. 113
Bredin, G. S. *nm s* 38 N. Maple ave., East Orange, N. J.
Breitenfeld, E. 2 *c* 221 E. 68
Brennecke, J. R. 3 t *Whittier*
Brenner, E. C. 3 *m*
174 St. Nicholas ave.
Brenner, M. 1 *c* 252 Carroll, Bklyn.
Brett, G. M. *p* Hartley
Brewer, Mrs. M. D. 3 t *Whittier*
Brewster, A. D. ph *527 W. 124*
Brewster, R. K. 2 *s* 615 W. 147
Bridgeman, L. W. 2 *s*
278 Lockwood, Astoria
Briggs, A. B. 3 t *6 E. 43*
Briggs, B. I. 2 t *Whittier*
Briggs, F. S. 4 *m* 166 W. 64
Brigham, L. W. *pl*
1305 Dorchester rd., Bklyn.
Brill, P. K. 4 *s* Livingston
Bristol, W. M. gr t *Whittier*
Brittain, J. B. 1 *c*
15 Livingston ave., Yonkers
Brittain, W. M. *pl* 459 W. 123
Brodix, C. R., Jr. 4 *c*
Grantwood, N. J.
Brodix, J. W. 4 *c*
Delta Phi House, W. 116
Broe, A. L. 1 *s* 214 E. 61
Brooks, B. p *Whittier*
Brophy, P. F. 2 *s* Livingston
Brower, F. D. *l*
339 Riverside Drive
Brown, C. 4 t *Whittier*
Brown, C. B. 2 *s* 337 W. 34
Brown, E. F. 4 b *550 Park ave.*
Brown, E. S. 2 *s*
Rutherford, N. J.
Brown, F. E. 3 *m* 216 W. 104
Brown, F. L. 1 *m* 424 W. 57
Brown, J. D. M. *ph* 300 W. 121
Brown, L. A. 2 *c* 1644 Park ave.
Brown, O. 4 *s* 125 E. 93
Brown, S. 4 *m* 118 W. 64
Brown, W. H. *c* 401 W. 148
Brown, W. H., Jr. 2 *c*
102 W. 93
Browne, K. C. 2 *s*
1235 Tinton ave.
Bruce, G. ph *420 W. 118*
Brush, A. C. 3 b *113 W. 69*
Brundin, T. M. 3 b
112 Clinton, Corona, L. I.
Bryant, E. H. 1 b *46 W. 131*

Bryant, W. S., Jr. 3 *l* 153 W. 80
Bryde, E. D. 3 *l*
29 Mo. Morris park, W.
Buchbinder, H. E. *s* 412 Cherry
Buchner, C. J. 1 *l*
789 Willoughby ave., Bklyn.
Buck, K. W. 3 *l* 430 W. 118
Buckisch, W. G. M. 1 *c*
Newbold ave., Unionport
Budds, M. H. 3 b *72 W. 97*
Bugbee, E. 2 b
Bulkley, C. S. 2 *l* 30 W. 44
Bulkley, K. 2 *m* 531 Madison ave.
Bullard, H. E. *pl* 527 Livingston
Bullard, R. H. *f a* St. Anthony Hall
Bullis, J. 3 t *403 W. 115*
Burckhalter, T. W. 4 *t* 468 W. 141
Burdett, L. C. 2 *l* Fort Lee, N. J.
Burdette, R. S. 4 *s* Grantwood, N. J.
Burdick, C. K. 2 *l* 633 W. 115
Burdick, E. M. 3 t *Whittier*
Burdick, M. G. gr t
4 Harrison, Stapleton, N. Y.
Burger, F. 1 b
76 Liberty ave., Bklyn.
Burhans, V. D. 1 *c* Livingston
Burke, R. P. 3 *m* 28 W. 61
Burnap, S. R. 2 *m* 147 W. 63
Burnett, T. W. 3 *m* 604 W. 115
Burnham, M. T. 4 t *609 W. 135*
Burns, G. 1 *l* 423 W. 117
Burritt, B. B. gr *t* 507 W. 112
Burroughs, M. pl *417 W. 118*
Burrows, E. M. 3 b
25 Neparan rd., Tarrytown, N. Y.
Bushong, A. M. 4 b
442 Ninth, Bklyn.
Bussing, M. 4 t *514 W. 122*
Bustamante, M. *f a* 204 Lenox ave.
Butler, E. S. 4 t *Whittier*
Butler, N. F. *ph* 222 Hartley
Byrne, F. J. 3 *s* 623 Lexington ave.
Byrne, M. B. C. 3 t *136 B'way, West New Brighton, S. I.*

Cáceres, M. 4 t *308 W. 116*
Calhoun, M. 4 t *205 W. 106*
Callahan, F. 3 *l* 330 Livingston
Callen, S. L. 3 t *415 W. 57*
Calman, D. 2 b *127 W. 81*
Campbell, B. 4 *c* 537 W. 123
Campbell, F. W. 2 *m*
288 Union ave.
Campbell, L. G. 3 t
803 Lexington ave.
Campbell, M. R. nm b *315 W. 79*
Campbell, N. 3 t 69 Brookfield rd., Upper Montclair, N. J.
Campbell, S. E. 3 t *Whittier*
Campbell, V. H. 3 t
Lowerre Summit, Yonkers
Campus, E. 1 *m* 64 Delancey
Cane, W. G. 2 *c* 519 W. 121
Cannon, G. L. 4 b
Clay ave., near 175
Canto, Y. H. 3 *m* 45 & 47 W. 116
Capablanca, J. R. 1 *s* 228 W. 72
Capron, B. A. 3 t *Whittier*
Carber, F. H. 1 *m*
Carbone, M. G. 4 *s* 102 W. 56
Carlebach, W. M. 3 *s* 136 W. 86
Carlucci, G. A. 3 *m* 47 Seventh
Cardozo, S. B. 1 *c* 337 W. 70
Carpenter, R. 2 *c* 253 W. 100
Carpenter, W. M. 4 *c* 253 W. 100
Carpentier, M. A. *ph*
170 Lee ave., Bklyn.
Carroll, A. 3 b *521 W. 122*
Carroll, A. L. 2 b 302 South Sixth ave., Mt. Vernon
Carroll, C. R. 2 *c* 612 W. 115
Carter, A. L. *l* 22 W. 60
Carter, H. 4 b *138 W. 129*
Cartier, L. 1 *s* 48 W. 84
Cartmell, T. M. 4 *m* 302 W. 56
Casey, J. F. 2 *m* 302 W. 56
Casey, M. A. 3 b *174 E. 82*
Cashman, J. F. *ph*
611 E. 21, Bklyn.
Cassebeer, E. 2 b
46 S. 13 ave., Mt. Vernon
Cassebeer, A. F. 3 *m* 118 W. 64
Cassetta, D. 3 *c*
180 Broadway, Astoria, L. I.
Cassini, H. C. 3 *m*
Catlin, W. B. *pl* Hartley
Cauble, L. A. 4 t
152 Sterling pl., Bklyn.
Cauchois, R. W. 4 *s* 458 W. 144
Cavicchia, P. A. 1 *l*
108 Jefferson, Newark, N. J.
Cazin, A. p *1108 Bloomfield*
Cella, C. D. 3 *c*
206 Hudson, Hoboken
Celler, E. 1 *c*
838 Greene ave., Bklyn.
Cerkush, J. E. 1 *s*
428 Central Park West
Cerussi, B. P. 2 *s*
554 Courtland ave.
Chaddock, R. E. *pl* Livingston
Chafee, T. B. 1 *c*
207 William, Portchester

Chamberlin, M. 3 t *Whittier*
Chambers, F. W. 2 *l* 417 W. 117
Chambers, R. N. 3 *l* 125 Hartley
Chanalis, M. N. 2 *c* 207 W. 115
Chandler, H. C. 3 t *503 W. 121*
Chapin, H. E. 4 *c* 558 W. 113
Chapin, J. C. 1 *c* Hamilton Park, New Brighton, N. Y.
Chard, S. *pl* Livingston
Charos, H. B. 1 *m* 266 W. 39
Cheadle, A. B. 2 *l* 429 W. 117
Chen, W. F. 2 *s* Livingston
Cheney, C. O. 3 *c* 552 Lenox ave.
Child, A. M., Jr. 2 *c* 169 Franklin
Child, F. S., Jr. 2 *m* Hospital for Ruptured & Crippled
Childs, R. 1 b *68 W. 119*
Chisholm, O. P. Jr. 4 *s* 429 W. 117
Chodorov, F. 3 *c* 308 Mercer
Chollar, S. V. gr t *520 W. 122*
Christopher, J. K. *p* 514 W. 122
Chrystie, J. N. 2 s 101 W. 128
Clark, A. R. *f a* Livingston
Clark, C. M. 1 *c* 215 W. 23
Clark, F. H. nm t *Whittier*
Clark, J. D. 3 *l* 204 Hartley
Clark, J. M. *p* 616 W. 113
Clark, M. F. 4 t *29 S. B'way, Yonkers*
Clark, S. C. 3 *l* 347 W. 89th
Class, F. M. 4 *m* 3 E. 73
Clemson, W. E. 1 *s* 402 Broad, Newark
Cleveland, H. H. 2 *s* 27 Clinton pl., Jamaica. N. Y.
Clinkscales, L. D. 2 *l* Livingston
Closson, L. W. b *99 Cleveland, Orange, N. J.*
Cobb, E. P. 3 t *Whittier*
Cobb, J. L. 2 *c* 565 W. 113
Coble, M. S. 3 *m* 10 W. 116
Cochrelt, M. 3 *l* Livingston
Cochran, J. I. 2 b *120 W. 12*
Cockrell, A. *nm l* Livingston
Coffin, M. 4 t *453 W. 123*
Cohen, A. *ph* 747 E. 5
Cohen, A. 4 t Aqueduct ave. & 182
Cohen, H. 2 *c* 29 Attorney
Cohen, H. A. 1 *m* 143 W. 111
Cohen, Ira 2 *c* Woodycrest, High Bridge
Cohen, Isidore 3 *l* 309 W. 28
Cohen, J. H. 1 *c* 43 W. 87
Cohen, S. 1 *m* 507 W. 157
Cohen, S. M. 1 *c* 107 Madison
Cohn, A. A. 1 *l* 459 W. 123
Cohn, B. L. 1 *c* Hartley
Cohn, C. J. 3 *s* 209 W. 118
Cohn, E. 3 t Yonkers Park, Yonkers
Cohn, H. 2 *s* 126 E. 83
Cohn, M. M. 3 *c* Hartley
Cohn, R. M. 4 *m* 165 W. 64
Cohn, S. 2 *m* 2051 Belmont ave.
Cohn, W. W. 3 *c* 326 W. 113
Cohn-McMaster, A. M. 2 *c* 308 W. 94
Colbert, E. 3 t *Whittier*
Colby, S. C. 4 b *2013 Fifth ave.*
Cole, E. 4 b *Sea Cliff, N. Y.*
Cole, E. C. 4 b *371 W. 119*
Cole, P. G. 1 *m*
Cole, P. R. gr *t* Livingston
Coleman, H. T. J. gr *t* 526 W. 123
Coleman, McA. 2 *c* 167 W. 73
Colligan, E. A. 3 *t* 111 Ainslie, Bklyn.
Collings, W. A. 3 *l* 417 W. 121
Collins, E. M. 3 t *501 W. 122*
Collins, K. B. 4 *c* 61 W. 74
Collins, M. B. 3 t *72 W. 124*
Colloque, O. gr *t* Sewaren, N. J.
Colvin, D. L. *pl* 63 W. 124
Colvin, Mrs. M. W. pl 63 W. 124
Colwell, R. H. gr t *Teachers College*
Commorato, J. R. 3 *m* 77 First pl., Bklyn.
Compton, G. B. 2 *c* Livingston
Comstock, M. C. 3 *c* 526 W. 114
Conant, H. J. 3 *l* Livingston
Conant, M. P. ph *419 W. 118*
Conger, A. 3 t *Whittier*
Conger, A. D. 1 *c* 412 W. 115
Conklin, I. T. 2 *t* Peekskill, N. Y.
Conried, R. G. 4 *c* 65 W. 71
Content, H. A. 3 *c* Hartley
Cook, W. P., Jr. 3 *s* 1111 Dean, Bklyn.
Cooper, F. S. 1 *c* 107 E. 16
Cooper, H. E. 3 t *218 Park ave., Yonkers*
Cooper, J. R. 2 *s* 57 Convent ave.
Copeland, R. 2 *c* 628 Washington ave., Bklyn.
Corbett, J. S. 2 *c* 915 Forest ave., Bronx
Corlett, W. W. *nm l* 121 & Bway
Cornell, C. F. 4 *c* 33 Alsop, Jamaica, N. Y.
Cornish, C. H. sp b *235 E. 18*
Cornish, E. W. 3 t *Woodbridge, N. J.*
Corwin, H. E. 1 *c* 115 Livingston
Costikyan, Z. 4 t *Whittier*

Counselman, T. B. 1 *s* 40 Morningside ave.
Coveney, R. 3 b *146 Seventh ave., Bklyn.*
Cowen, A. 4 *c* 39 E. 74
Cowen, E. D. 1 b *70 & Col. ave.*
Cowen, M. I. b *39 E. 74*
Cowherd, J. B. 2 *m* Livingston
Cox, E. B. 3 t *501 N. Broad, Westfield, N. J.*
Coyne, M. A. 2 t *100 North Bway*
Craig, C. R. 3 t *Whittier*
Craig, E. W. 3 b *3063 Bway*
Craighill, M. H. gr t 419 W. 118
Crane, E. E. 4t 23 Locust, Flushing
Crawford, L. W., Jr. *ph* 435 W. 123
Crawley, G. E. 3 *s* 557 W. 124
Crecelius, F. W. 3 *s* 451 Second ave.
Cretcher, M. C. nm t *Whittier*
Crew, C. 2 *s* Hartley
Criado, R. 2 *c* 430 W. 116
Crippen, J. H. gr *t* Livingston
Crocker, N. J. 4 t *24 John, Tarrytown, N. Y.*
Crohn, B. B. 4 *m* 76 E. 92
Cronyn, G. W. 1 *c* 840 E. 141
Cross, B. A. 1 *l* Hartley
Crossman, H. L .1 b *107 Clinton ave., Jamaica, N. Y.*
Crouze, A. P. 1 *c* Bayside, L. I.
Crowell, M. B. 3 b *Richmond Hill, N. Y.*
Culman, C. W. 2 *c* 476 W. 143
Cunningham, O. 4 t *522 W. 123*
Curran, M. E. 3 b Englewood, N. J.
Curry, G. P. M. *m*
Cushman, H. M. 4 t *Whittier*
Cuthell, C. H. 3 *l* 604 W. 114
Cutler, C. W. Jr. 1 *c* 135 W. 76
Cutler, W. W. Jr. 2 *s* 923 Hartley
Cutting, F. L. 4 t 99 Java, Bklyn.
Cutting, V. W. 3 *c* 417 W. 117

Dabney, Mrs. E. P. 3 t *72 W. 124*
Danehy, G. W. 3 *s* 1824 Anthony ave.
Daniel, G. W. 2 *s* 441 W. 43
Daniel, M. K. 3 t *527 W. 123*
Daniels, M. E. 3 b *159 W. 83*
Daniels, M. H. 1 *s* 35 W. 111
Danielson, C. 4 *t*
Dann, M. E. 2 b *Bloomfield, N. J.*
Darby, W. T. *ph* 524 W. 124
Dargan, A. W. ph *Whittier*
Davey, R. G. 1 *l* 561 W. 186
David, D 3 t 1266 Amsterdam ave.
David, A. K. nm t *1266 Amsterdam ave.*
Davidson, H. 1 *m* 325 E. 92
Davidson, W. B. 2 *c* 565 W. 113
Davies, H. L. 3 b *509 W. 122*
Davies, M. 4 t *510 W. 124*
Davis, A. pl *Whittier*
Davis, B. 2 *c*
Davis, E. L. *f a* 410 Hartley
Davis, F. R. 1 *s* 145 W. 58
Davis, H. F. 3 *s* 526 W. 123
Davis, J. J. 2 *s* 700 West End ave.
Davis, M. G. 4 t *417 W. 118*
Dawkins, L. M. 1 *l* 78 W. 94
Day, H. M. 4 t *417 W. 114*
Deacon, H. G. 4 b *108 E. 86*
Deacy, W. H. 2 *c* Ossining, N. Y.
Dean, J. C. *pl* Gen. Theol. Seminary
De Cou, N. M. 4 t *404 W. 124*
Decker, H. R. 4 *m* 328 W. 56
Decker, K. A. nm t *453 W. 123*
Decker, S. S., Jr. 3 *l* 53 W. 95
Dederer, I. C. 4 *m* 560 W. 113
Degarre, M. L. 1 *s* 558 W. 113
356 W. 145
Dehuff, A. I. 4 *s* Livingston
De Lury, A. 4 t *505-122, W.*
Dellenbaugh, F. S., Jr. 1 *s* 129 E. 76
Demarest, I. C. 3 *c* 54 Essex, Hackensack, N. J.
Demarest, M. C. 2 b Nanuet, N. Y.
Demarest, S. P. 2 *s* 11 E. 87
Dement, L. W. 3 t *Whittier*
Dempsey, J. A. V. 2 b 467-55, Bklyn.
Denton, E. 3 t 1161 Amsterdam ave.
Denton, T. L. 1 *m*
Denzer, B. S. 1 *m* 27 Edgewood Pk., New Rochelle
Derby, R. 4 *m* 113 E. 71
Derby, R. A. 1 *s* 113 E. 71
Desai, P. M. gr *t* Livingston Hall, 114 and Amsterdam ave.
Deschere, H. 1 *s* 334 W. 58
Deshel, M. 1 *m* 932 E. 183
Deutsch, H. A. 2 *s* 534 E. 87
Devendorf, F. C. 2 *m* Hartley
Dhalla, U. V. *ph* 1003 Hartley
Dickey, F. A. 4 *c* 56 Lenox ave.
Dickson, C. F. 4 *s* 902 West End ave.
Dier, A. A. 3 *s* Livingston
Dieterich, F. H. 1 *m* 910 Cauldwell ave.
Diemer, G. H. *f a* 128 Humboldt, Town of Union, N. J.

Disbrow, J. 4 b 1120 Madison ave.
Dixon, E. D. 4 t Whittier
Doernberg, W. S. 4 *c* 127 E. 95
Doesinger, E. 3 t Whittier
Dollar, F. V. 3 t Whittier
Donnelly, J. E. 1 *m* 2790 Marion ave.
Donnelly, I. G. 4 t Whittier
Donnelly, T. F. 1 *s* 412 W. 149
Donohoe, D. C. *s* 2359 Grand ave.
Donohue, J. H., Jr. 3 *c* 604 W. 114
Donovan, W. J. 3 *l* 306 W. 109
Doremus, M. B. 1 *c* 10 W. 4, Mt. Vernon
Dorn, G. H., Jr. 1 *s* 1630 Ave. A
Dorsette, S. 4 t 10 W. 135
Dorsey, C. D. 3 *l* Livingston
Dorsey, J. J. 4 *m*
Doty, A. 4 *s* 607 W. 113
Doty, O. K. 3 *s* 553 W. 141
Dougherty, E. A. 1 *s* 244 W. 20
Downs, F. G. 3 *s* 75 Fairview ave., N. J.
Dox, R. W. 1 *l* Hartley
Draper, E. J. f a 158 W. 84
Dreyfuss, 2 *s* 201 W. 120
Drob, M., 2 *c* 1353 Fifth ave.
Druding, D. C. 1 b 219 W. 106
Drummond, E. M. 4 t Whittier
Dudley, R. *f a* 417 W. 117
Dudley, S. E. ph 420 W. 118
Duenas, G. H., 2 *s* 11 Bway.
Duff, W. B. *pl* 329 Livingston
Duffield, E. T. gr. *t* 411 Livingston
Dunbar, M. 2 Dobbs Ferry, N. Y.
Duncan, L. A. 3 t Whittier
Duncan, McK. 1 *c* Pelham Manor, N. Y.
Duncan, M. L. 3 t 169 W. 81
Duncan, O. D. 1 *l* 75 W. 94
Duncan, W. H. Jr. *um c* 108 Woodruff ave.
Dunlap, M. 3 t Whittier
Dunn, J. P. *music, f a* 1111 Dawson, Bronx
Durant, D. 2 *c* 603 W. End ave.
Durkee, C. J. 4 t Whittier
Dutton, L. E. ph 223 W. 106
Dwyer, C. E. 2 *c* 301 W. 109
Dwyer, E. A. 3 b 477 Eighth, Bklyn.

Eadie, A. R. 1 *c* 202 W. 74
Earl, A. M. t 866 West End ave.
Earle, T. 2 *s* 608 W. 113
Eastman, H. W. 4 *c* Hartley
Eastman, M. M. 3 b 161 E. 81
Eastman, W. 3 *c* Hartley
Easton, K. 2 *l* 124 W. 86
Eaton, C. C. 3 b 206 W. 39
Eberhard, V. E. *f a* 607 W. 113
Echeverria, F. J. 2 *m* 248 W. 76
Eddy, E. S. 1 b 19 W. 34, Bayonne, N. J.
Edebohls, A. J. *nm s* 59 W. 49
Edelstein, E. A. 4 *c* 1433 Madison ave.
Edgar G. C. 2 *c* 71 W. 92
Egan, J. L. 4 *c* 619 W. 113
Egbert, H. D. 4 *c* 425 W. 146
Eggers, C. F. A. 4 *m* 55 Greenpoint ave. Bklyn.
Eggleston, M. K. 1 b 43 Central ave., Tompkinsville, N. Y.
Eggleston, R. D. *pl* 533 Hartley
Egleston, L. H. 1 b 521 W. 122
Ehrenreich, S 2 *m* 69 E. 101
Elder, M. F. 1 b 543 W. 57
Ellenbogen, M. G. 4 *c* Livingston
Ellenwood, E. J. 1 *l* 587 Grand, Bklyn.
Elliott, E. D. B. 2 *m*
Ellis, G. A. 2 *l* Livingston
Elsasser, F. R. 1 *c* 302 W. 109
Elsing, M. J. 4 *s* 148 East End ave.
Elson, F. W. 3 *t* 511 Hartley
Eltzner, D. 3 b 1427 Madison ave.
Ely, H. B. ph Whittier
Ely, M. E. 4 t Whittier
Emerson, V. B. 1 b Tarrytown, N. Y.
Emsheimer, H. 2 *m* Livingston
Engelbrekt, A. C. 4 t 31 Elm, New Rochelle,
Englehart, J. H. 1 *c* Madison ave. Hotel, 92 & Madison ave.
English, E. 1 b 116 Oak, Yonkers
English, J. T. 2 *m* 39 W. 61
Epstein, A. 1 *c* 145 Hart, Bklyn.
Epstein, B. 1 *c* 1065 Second ave.
Epstein, L. 2 *c* 145 Hart, Bklyn.
Epstein, M. 3 *c* 1065 Second ave.
Erler, F. W. 4 *m*
Ernst, A. E. 4 b 1370 Prospect ave.
Ernst, F. C. 2 b 152 W. 122
Erskine, R. S. 1 *c* 606 W. 113
Espinosa, C. 3 *s* 857 Fifth ave.
Essig, F. T. 1 *m* 233 S. Fifth Newark, N. J.
Estee, R. G. 3 *s* 608 W. 113
Evans, E. R. 2 *m* 328 W. 56
Evans, J. H. 2 *m* 363 W. 57
Everett, E. G. 3 b 227 St. Ann's ave.
Eves, M. gr t Whittier

Eyestone, L. M. 3 t *500 W. 124*
Ezekiel, B. 2 *s* 49 W. 85

Faber, G. W. 4 *m* 360 W. 23
Faddis, J. R. t *537 W. 121*
Fairbairn, R. Le F. 1 *c*
249 McDonough, Bklyn.
Fairchild, W. A. *p* Hartley
Fales, J. T. 4 t *209 E. 23*
Falk, H. C. 2 b 1364 Lexington ave.
Falkowitz, H. C. 1 *m*
710 Ninth ave.
Falls, M. E. 4 t *205 W. 109*
Falvello, N. A. 1 *m*
2080 Second ave.
Fancher, E. M. 1 b
12 Second, New Brighton, S. I.
Fanger, W. 1 *c* Livingston
Fansler, D. S. *ph* 201 Livingston
Farrell, J. R. 3 *m* 477 E. 149
Farrer, H. E. 3 *s*
205 Sunnyside ave.
Farrington, T. B. 2 *s* Hartley
Farwell, E. 2 *l* Hartley
Faurent, H. P. 1 *s* 151 W. 95
Fauver, Edgar, 2 *m* 328 W. 56
Fauver, Edwin, 2 *m* 328 W. 56
Fay, O. R. *pl* 135 Remsen, Bklyn.
Fedter, B. *ph.*
200 & Valentine ave.
Feifer, D. 3 *l* 109 E. 81
Feigenbaum, W. M. 3 *c*
538 Hart, Bklyn.
Feitel, N. H. 1 *l* Hartley
Feldman, J. W. 3 *m* 330 E. 85
Feldstein, G. M. 1 *m*
368 Grand, car Steinfield
Fellows, H. C. gr t *Whittier*
Felter, R. S. 3 *s*
Larch ave., Bogota, N. J.
Ferguson, W. E. 2 *s* 308 W. 127
Fernandez, F. M. 3 *m* 146 W. 65
Ferns, E. 3 b
346 Union ave., Mt. Vernon
Ferrari, R. A. 1 *l* 327 E. 116
Ferrigan, M. S. 3 t
18 Jumel Terrace
Ferrin, F. A. 2 t *418 W. 118*
Feust, S. 1 *s* 718 E. 138
Fielder, A. 3 *s*
889 Greene ave., Bklyn.
Findeisen, Wm. E. 2 *m*
230 Rutland Rd., Bklyn.
Fink, E. L. 3 b *Westfield, N. J.*
Finley, C. J. 1 *c* 1580 Amster. ave.
Firebaugh, B. H. 1 b *859 E. 163*
Fish, H. P. 3 *c* 31 W. 90
Fish, J. B. *p*
437 Brook ave., Bronx
Fisher, Wm. 3 *l* 536 W. 114
Fishel, L. H. 2 *s* 301 W. 108
Fisher, E. V. 3 t *417 W. 121*
Fischer, E. E. 4 *c* 115 Second
Fischer, H. B. 3 *l* 129 W. 70
Fischer, P. A. 3 *c* 134 W. 133
Fischer, S. 3 *s* 314 E. 15
Fitzgerald, J. W. 1 *c*
Tuckahoe, N. Y.
Flack, C. A. 3 b
265 Webster ave., New Rochelle
Flanagan, H. E. *f a* 507 W. 112
Flanigan, W. A. 4 *c* 607 W. 113
Fleischman, L. S. 1 *c* 245 E. 48
Fleissner, G. L. 4 *s* 246 E. 4
Fleming, C. O. 1 b 450 E. 26, Bklyn.
Fletcher, M. B. 4 t *510 W. 124*
Fliederblum, H. J. 3 *l*
158-160 E. 113
Flint, M. L. 1 b
Richardson ave., Wakefield
Flogg, S. G., 3d *nm s* Livingston
Floyd, C. H. 2 *l* 701 Hartley
Fluhrer M. 1 *l* 604 W. 114
Flynn, M. 4 t *16 W. 128*
Foeller, H. C. E. 1 *s* 334 W. 47
Fogel, W. P., Jr. 1 *s* 413 W. 117
Folger, P. 1 *l* 710 Hartley
Folsom, R. P. 3 *m* 328 W. 56
Fondiller, W. 2 *s* 182 Ninth ave.
Fonts, H. 2 *s* 210 W. 107
Foot, N. C. 4 *m* 340 W. 57
Foote, G. S. *ph* 457 W. 123
Foote, H. 2 *s* 27 W. 46
Forbes, F. B. 3 *s* 8 W. 56
Forbes, Mrs. L. J. 4 t *Whittier*
Force, J., Jr. 1 *c* 1 E. 111
Force, M. W. *nm s*
Montclair, N. J.
Ford, A. 2 *t* 1839 Lexington ave.
Ford, J. S. 1 *m* 48½ Burnett, Newark
Ford, W. A. 2 *s* 22 So. Broadway, White Plains, N. Y.
Forman, A. G. 1 *m*
2394 Seventh ave.
Forsch, H. 4 *c* 31 W. 86
Fossell, A. E. 3 t 6 Castleton ave., West Brighton, S. I.
Forstot, S. 4 *m* 31 W. 86
Fort, J. I. 4 *m* 363 W. 57
Fortinash, P. J. *nm c*
2166 Second ave.
Foshay, J. R. 2 *m* 485 W. 145
Fossas, E. J. 2 *s* 541 W. 124

Foster, H. W. ph 51 Evergreen pl., East Orange, N. J.
Foster, W. W. 1 *s* 14 Cottage, Newark
Foucar, F. H. 4 *m* 1275 Lexington ave.
Fowler, H. 3 *c* 60 E. 68
Fowler, R. H. 2 *m* 60 E. 68
Fox, E. F. 3 b 80 Joralemon, Bklyn.
Fox, H. R. 1 b 622 W. 152
Fox, I. J. 2 *c* 127 E. 79
Frachlenberg, W. J. *ph* 124 Allen
Fraher, T. A. 3 *s* 254 W. 115
Fraissinet, L. 3 t 140 W. 75
Frame, R. M. 1 b 27 So. 13th ave., Mt. Vernon
Francis, C. A. p 13 W. 129
Franck, H. A. *ph* 31 W. 55
Frank, C. D. *ph* 330 Hartley
Franke, C. E. 4 t Hudson Terrace, Tarrytown, N. Y.
Franke, G. M. 1 b Bound Brook, N. J.
Frankenthaler, G. 3 *l* 1215 Madison ave.
Fransioli, A. 1 b 521 W. 122
Fraser, L. 2 *c* 311 W. 77
Freed, J. H. 4 b 110 W. 74
Freedman, L. 3 *t* 71 E. 109
Freeman, A. C. 1 *m* 242 W. 58
Freeman, J. Y. ph 72 W. 124
Frees, H. J. *f a* 612 E. 156
French, R. M. 4 *s* 612 W. 115
Frerichs, E. V. 1 *c* Tottenville, S. I.
Fried, E. S. 2 *l* 47 W. 87
Friedland, J. M. 4 *s* 157 Ave. C
Friedland, L. S. *ph.* 1513 Madison ave.
Friedman, Wm. H. 4 *s* 172 Rivington
Friedson, M. 1 *m* 163 Stanton
Friess, L. L. 4 t University Court, 117 & Morningside ave., W.
Frink, M. H. 2 b 124 W. 11
Frink, R. M. 1 *l* Livingston
Frishe, H. 3 t 619 W. 114
Frohlich, L. D. 3 *c* 1841 Lexington ave.
Frugone, M. A. R. 1 b 719 Franklin ave., Bklyn.
Fuchs, H. H. *f a* 749 E. 141
Fuchs, S. A. 4 *c* 129 W. 116
Fudji, G. J. *f a* 2218 Valentine ave.
Fuess, C. M. *ph* Livingston
Fuhrman, H. C. 2 *m* 168 W. 86
Fuld, H. A. 2 *s* 168 W. 86
Fulda, H. C. 3 *m* 107 Kent
Fulkerson, L. L. 4 *m* 11 Wadsworth ave.
Fulton, C. H. 2 *m* 2 W. 129
Funk, M. L. 4 *m*
Furman, B. A. 1 *m* 65 So. 10, Newark
Furst, S. 3 *m* 952 Teller ave.
Furth, F. B. 4 b 47 W. 88

Gaehelein, P. W. 2 *s* 228 N. Fulton ave., Mt. Vernon
Galace, C. 3 t Whittier
Galewski, A. 3 *t* 50 W. 119
Gamble, E. 3 t 539 W. 142
Garabedian, H. B. *ph.* 25 E. 104
Gardiner, C. L. 4 b 10 W. 103
Gardiner, C. R. 4 *s* 137 Edgecomb ave.
Gardner, W. 4 *s* Hartley
de Garmendia, C. 1 *c* 16 W. 101
Garnier, H. K. *ph* Gen'l Theol. Seminary
Garrison, C. G. 3 t 165 Summitt ave., Mt. Vernon
Gascoyne, W. J., Jr. *nm s* 627 W. 115
Gates, W. D. *ph* 700 Park ave.
Gay, E. 2 b 205 W. 106
Geer, W. M., Jr. 2 *l* 60 W. 84
Geist, S. H. 3 *m* 244 E. 87
Gelb, L. 3 *m* 283 Stanton
Gelbach, M. ph 417 W. 114
Gelder, R. W. 2 *s* Hotel Barstow
Gentry, M. B. 3 *s* 710 Livingston
Georgen, C. B. 3 *m* 36 E. 23
Gere, L. B. 430 W. 118
Germansky, R. 3 *s* 30 Canal
Gerrish, W. C. *pl.* New Canaan, Conn.
Gibson, L. W. 2 *c* 40 Bleecker, Newark
Gibson, M. L. 1 b 203 W. 95
Gibson, V. R. 1 *c* 8 Van Cice ave., Yonkers
Gil, G. J. 4 *m* 174 W. 82
Gilbert, C. A. *f a* Madison, N. J.
Gilbert, G. F. 3 *c* Madison, N. J.
Gildersleeve, V. C. ph 28 W. 48
Gillie, G. R. 2 *s* 90 Convent ave.
Gillies, J. 2 *c* 531 W. 113
Gillingham, A. gr t 215 E. 15
Ginsburg, J. G. 1 *c* 1705 Eastern Parkway, Bklyn.
Giroux, L. M. 1 *s* 73 & Bway.
Glen, H. R. 3 b 311 W. 94

Glenn, S. E. 4 t *Whittier*
Glidden, M. M. 4 t
34 Putnam ave., Bklyn.
Glorney, E. E. 1 *s* 114 E. 59
Goddard, E. R. gr t *Whittier*
Godley, M. F. 2 b *Bayside, N. Y.*
Goedkoop, A. E. 3 b
75 Cedar, Paterson, N. J.
Goertner, Mrs. R. 4 t
1225 Boston Road, Bronx
Goetz, N. S. 1 *l* 134 E. 73
Goldberg, A. 4 *m*
Rockaway Beach
Goldberg, G. 1 *c*
210 Lynch, Bklyn.
Goldberg, J. 2 b *143 W. 111*
Goldberg, V. 1 *m* 2968 Briggs ave.
Goldblatt, H. M. 3 *c* 302 E. Houston
Golde, M. D. 3 b *521 W. 122*
Golden, H. 2 *c* 195 E. Houston
Goldfarb, A. J. *p* 38 W. 116
Goldfarb, H. 1 *s*
1262-49, Boro. Park, Bklyn.
Goldman, H. ph *132 E. 70*
Goldsmith, F. I. 2 *c* 53 W. 89
Goldsmith, T. ph *1320-52, Bklyn.*
Goldstein, M. M. 1 *s* 244 W. 112
Goldstein, S. 1 *s* 8 W. 114
Goldstone, L. P., Jr. 2 *s* 401 W. 117
Goldsworthy, O. 4 t *Whittier*
Gomes-Casseres, A. 3 b
522-524 W. 148
Goodbody, M. U. 3 *l*
Goodhart, H. 4 b *21 W. 81*
Goodkind, M. 1 *s* 18 W. 112
Goodman, E. 3 *c* 106 W. 86
Godman, S. L. 1 *c*
150 Hewes, Bklyn.
Goodwin, E. C. 1 *s* 258 W. 22
Goodwin, E. L. 2 b *2647 Bway.*
Goodwin, G. M. 2 *c* 54 Richmond Road, Tompkinsville, N. Y.
Goodwin, N. A. 1 *m* 225 W. 135
Gooldy, W. G. 1 *l* Hartley
Gordon, F. 4 b *521 W. 122*
Gordon, J. *p* 188 Middleton, Bklyn.
Gordon, P. A. 4 *c* 312 Hartley
Gordon, S. S. 1 *l*
Gorren, D. 4 *s* 429 W. 117
Gossett, A. J. 2 *m* 136 W. 126
Gottlieb, A. 1 *m* 229 W. 111
Gould, K. 3 *s* 195 Bway.
Gould, M. R. 4 t *Whittier*
Graham, H. 4 t *Whittier*
Graham, H. R. 3 *s* 536 W. 114
Granberry, D. W. 4 *m*
48 Harrison, E. Orange
Grant, A. C. 2 b
81 Buena Vista ave., Yonkers
Grant, E. J. 2 *c* 25 E. 104
Grant, L. 4 b *164 Manhattan ave.*
Grant, L. E. 1 2 *s* 401 Livingston
Grasso, V. *ph* 978 Second ave.
Graves, A. C. 3 *m* 113 Water
Graves, F. R. 1 *l* 614 Hartley
Gray, E. N. 1 b *Washington ave., Palisade, N. J.*
Gray, H. Y. 3 b *246-14, Bklyn.*
Gray, J. E. 246 14, Bklyn.
Gray, J. H. 3 *m* 153 E. 86
Graybill, H. B. *gr t* Hartley
Green, F. W. 2 *c*
182 St. Nicholas ave.
Greenberg, L. 3 *m* 45 Second ave.
Greene, F. R. 1 *l* 307 Hartley
Greenough, W. E. 1 *s* 524 W. 123
Greer, F. ph
494 Washington ave., Bklyn.
Gref, W. H. 1 *s* 77 W. 85
Greiff, V. R. 4 *s* 166 W. 79
Grieve, J. 1 *s* Hartley
Griffen, E. B. 1 *s* 304 W. 90
Griffin, E. F. 3 *c* Tarrytown, N. Y.
Griffin, P. F. 2 *c* 500 W. 124
Griffith, B. W., Jr. 1 *l*
708 Livingston
Griffith, E. p
63 Harrison, East Orange, N. J.
Griffith, P. 4 t *190 Claremont ave.*
Griswold, F. K. 4 t *55 E. 11*
Grossman, J. B. 2 *c* 62 E. 103
Grover, I. A. 3 t *Whittier*
Grudberg, S. C. 4 *m* 311 E. 85
Gruenstein, F. 1 b *60 W. 95*
Grunsky, C. E., Jr. 3 *s* 612 W. 115
Guernsey, G. C. 1 *c* Livingston
Guggenheim, E. A. 3 *c* 29 W. 76
Guile, H. V. 4 *m* 54 Pine
Guiteras, H. G. 2 *s* 108 W. 103
Guiterman, K. S. 1 *s* Livingston
Gunther, A. 1 *c*
351 Halsey, Bklyn.
Guthorn, S. 1 *s* 103 E. 123
Gutman, M. 2 *c* 1070 Madison ave.
Gwinn, J. M. *gr t* 604 W. 135
Gwinn, R. 2 *l* 306 W. 109

Haas, E. 3 t *240 W. 102*
Haas, G. C. O. *ph* 64 E. 7
Haefelin, F. J. ph *420 W. 121*
Hagaman, F. B. 4 *t* 184 Eldridge
Hageman, G. R. *ph* 139 W. 84
Hagemann, R. H., Jr. 3 *c*
228 Johnson ave., Bklyn.

Hahn, R., Jr., 2 *c* 519 W. 121
Haigh, C. S. 2 *s* 415 W. 113
Haines, F. M. 1 *c*
8 Philipse pl., Yonkers
Haithwaite, C. 1 b 342 Ninth, Bklyn.
Hakes, M. 2 t 220 Riverside Drive
Haldenstein, S. P. 1 *c* 206 W. 132
Hale, F., Jr. 2 *m* 343 W. 56
Hall, C. L. 2 *s* 419 W. 118
Hall, F. C. 4 *c* 429 W. 117
Hall, F. E. ph 99 Tonnele ave., J. C.
Hall, H. E. 2 *s* 429 W. 117
Hall, N. B. nm t Whittier
Hall, T. 1 b Mount Vernon, N. Y.
Hallock, F. B. 2 *s* 32 W. 61
Halpin, Z. P. 4 *s* 347 W. Bway.
Halsey, R. D. 2 *c* Hartley
Hamann, A. M. 1 *s*
118 Urban, Mt. Vernon
Hamil, M. E. 3 b 521 W. 122
Hamilton, G. A. 3 *l* 557 W. 124
Hamilton, S. 1 *l* Englewood, N. J.
Hammerschlag, H. A. 2 *s*
632 E. 147
Hammond, H. O. 2 *s* 203 W. 109
Hammond, L. K. ph 400 W. 115
Haney, J. D. *t gr.* 420 W. 118
Hangarter, A. H. 3 *m*
200 Stagg, Bklyn.
Hanhausen, F. F. 1 *s* Hartley
Hanigan, H. A. 1 *s* 119 W. 70
Hanke, A. G. 2 *s* Livingston
Hanley, K. V. 1 b 521 W. 122
Hanrahan, J. G., Jr. 2 *c* 352 W. 117
Hanson, G. C. 2 *c*
47 Rochester ave., Bklyn.
Harcourt, E. 3 t 151 W. 105
Harcourt, N. 3 t 151 W. 105
Harder, E. 2 b
1141 Bushwick ave., Bklyn.
Hardwick, L. B. 4 b 521 W. 122
Hardy, R. G. 2 b
157 Willow, Bklyn.
Harlam, E. J. 3 *c* 301 W. 105
Harper, H. 3 *l* 92 W. 103
Harper, P. T. 4 *m* 129 W. 81
Harrington, G. A. ph Whittier
Harris, H. S. *4 t* Hartley
Harris, J. N. ph 439 W. 123
Harris, W., Jr. 411 West End ave.
Harrison, A. C. 3 t Chatham, N. J.
Harrison, E. S. *ph*
1479 Dean, Bklyn.
Harrison, L. 3 *c*
397 Gates ave., Bklyn.
Harrisson, M. E. b 521 W. 122
Harshman, C. M. 3 t 417 W. 118
Harson, H. N. *nm c* 329 W. 51
Hart, N. B. 1 *c*
222 Van Buren, Bklyn.
Hart, R. E. *f a* 620 W. 135
Hartman, W. 4 *c* 527 W. 113
Hartog, V. 4 *s* 605 W. 113
Harvitt, H. J. 3 b
192 Hooper, Bklyn.
Haskell, A. 3 t Whittier
Haskell, Mrs. H. S. ph 205 W. 108
Haskell, R. H. 4 *c* 429 W. 117
Hastings, E. I. 2 b 119 E. 86
Hastings, L. M. 4 t 417 W. 118
Hastings, M. E. 3 t Whittier
Hauser, G. D. *f a* 14 E. 87
Hauser, J. O. 3 14 E. 87
Hawes, L. F. S. 4 *c*
13 Leland ave., New Rochelle
Hawkins, W. M. *music, f a*
514 E. 87
Haxby, R. V. L. *f a* 342 W. 121
Hay, W. W. 1 *l* 157 W. 123
Hayes, A. G. nm t Whittier
Hayes, F. H., Jr.
772 St. Nicholas ave.
Hayes, M. E. 4 t 4 Manhattan ave.
Hayman, J. *ph* Hartley
Hays, C. L. 3 *l* Hartley
Hays, M. R. 3 b 9 W. 121
Hayward, V. S. 3 *m* 114 W. 99
Haywood, A. W., Jr. *nm l*
2881 Broadway
Healy, F. M. 3 t
20 Hampton pl., Bklyn.
Healy, T. F. 1 *c* 141 W. 90
Heaphy, G. M. 4 256 W. 108
Heard, W. L. 1 *c* 222 Bowery
Heaton, D. R. P. 2 *m*
Riverdale-on-Hudson, N. Y.
Heaton, J. P. *pl*
131 Westminster rd., Bklyn.
Hebberd, E. A. 2 b 1040-79, Bklyn.
Hedemann, F. F. 4 *m* 120 W. 72
Hedges, A. nm t 402 W. 124
Hedley, H. W. 2 b 2768 Morris ave.
Hehre, F. W. 3 *s* 105 E. 96
Heide, K. L. *nm c* 27 W. 69
Heidelberger, M. 2 *c* 38 W. 93
Heidenreich, W. L. 3 *s*
Heidgerd, G. H. 4 *s* 142 W. 122
Heidtmann, A. W. 3 *s*
54 Mt. Vernon ave., Mt. Vernon
Heim, L. 3 b 143 W. 119
Heimann, E. 4 b 315 W. 105
Heiman, J. 4 *m* 144 W. 113
Heinick, F. R. 1 *l*
164 Manhattan ave.

Heller, E. 1 b *21 W. 90*
Hellin, E. B. 2 b *9 Columbus ave.*
Hellin, L. 4 b *9 Columbus ave.*
Helmrich, E. W. 3 b New Rochelle
Helmrich, G. L. 3 *s* New Rochelle
Henderson, A. L. 3 t
285 St. Nicholas ave.
Henderson, E. M. 3 t
285 St. Nicholas ave.
Henderson, G. 1 b
Eastern Boulevard, West Chester
Henderson, H. 4 b *7 Henry, Bklyn.*
Henderson, H. S., Jr. 1 *c*
82 Irving pl.
Hendricks, A. f a *148 W. 87*
Hendrick, T. W. 1 *s* Hartley
Hendricks, E. ph *18 E. 80*
Henes, E. Jr. 4 *c* 128 E. 93
Henes, H. W. 2 *s* 128 E. 93
Henry, P. 1 *m*
205 Sanford ave., Flushing
Herbermann, C. G., Jr. 3 *m*
80 Convent ave.
Herrmann, M. T. 1 b *112 E. 65*
Herron, L. F. 3 t *35 W. 82*
Hershenstein, C. 2 *c*
241 Newark ave., Jersey City
Hershfield, A. L. 3 b *159 E. 64*
Hershkopf, B. 1 *l* 36-44 Attorney
Herts, B. R. 3 *c* 69 W. 89
Herts, H. H. 2 *c* Bway. & 77
Hess, M. H. 2 *c* 24 W. 85
Hetherington, F. S. 4 *c*
Gramatan Inn, Bronxville
Heumann, E. M. 2 *s* 251 W. 137
Hewitt, L. P., 3 *l* Hartley
Hewitt, M. L. ph
280 Garside, Newark
Hewitt, R. H. 2 *m* 240 W. 112
Hibbard, M. P. nm t *419 W. 118*
Hickenlooper, G. *f a* Livingston
Hickman, J. E. *ph* 124 W. 124
Hickok, N. W. nm t *Whittier*
Higbie, E. D. 1 *s* 158 W. 76
Higgins, F. A. 3 *c* 59 W. 128
Hildreth, A. W. 2 *l* 520 W. 123
Hill, Mrs. A. A. ph *420 W. 118*
Hill, A. D. 1 b *Bway. & 121*
Hill, D. 1 *c* 323 W. 87
Hill, H. gr t *Whittier*
Hill, H. W. 3 *s* 558 W. 113
Himelhoch, I. *c* Hartley
Hinck, C. F., Jr. 2 *c* 565 W. 113
Hinkel, E. J. 2 *s* 223 E. 72
Hinkel, F. C., Jr. *p* Livingston
Hirsch, R. T. 2 *s* 164 E. 72
Hoag, E. J. 3 t *30 W. 128*
Hoag, J. A. 2 *s*
369 Waverly ave., Bklyn.
Hoag, N. H. *f a* Bronxwood Park, Williamsbridge, N. Y.
Hochberger, O. 1 *c*
472 Central Park West
Hochheimer, H. A. 3 t
1311 Madison ave.
Hochheimer, R. 2 b
1311 Madison ave.
Hochschild, S. 4 *s* Livingston
Hochstadter, I. 2 *s* 216 W. 139
Hodge, H. L. 3 t *Whittier*
Hodge, H. M. 4 t *Whittier*
Hodgetts, A. S. ph
136-11, Long Island City
Hodsdon, E. W. 2 b
190 Harrison ave., J. C.
Hoermann, M. 3 b
1208 Bloomfield, Hoboken
Hoerner, G. 3 *l* 115 & Amst. ave.
Hoff, H. C. 4 *m* 1964 Seventh ave.
Hofheimer, A. 2 *m* 313 W. 106
Hoguet, J. P. 4 *m*
141 & Hudson River
Holbert, H. H. 1 *s*
Kingsbridge ave., Kingsbridge
Hollister, E. M. 3 t. *Whittier*
Hollister, S. T. 4 *c* 61 E. 91
Holloway, J. H. *gr t* 611 E. 140
Holm, A. S. 2 b The Westminster, Perth Amboy, N. J.
Holmes, C. 3 t .. *Whittier*
Holmes, T. W. *p*
Holslag, C. J. 3 *s*
225 N. James, Peekskill, N. Y.
Holt, R. G. 4 *m* 144 W. 65
Holter, P. C. H. 4 *c*
19 Cottage, Jersey City
Holthausen, W. H. 1 *c*
285 Hancock, Bklyn.
Holtzoff, A. 3 *c* 122 W. 135
Holzman, B. 1 b *32 Ave. C.*
Hopewell, F. I. 1 b
532 Bway., Flushing, L. I.
Hopewell, S. L. 1 b
532 Bway., Flushing, L. I.
Hopkins, E. B. 4 t *32 W. 38*
Hopkins, F. L. 4 *c*
30 Robins pl., Yonkers
Hopper, J. W. *f a* Livingston
Hopping, A. T. 4 *c* 532 W. 114
Hopping, H. H. 2 *s* 532 W. 114
Hori, K. *ph* 530 W. 123
Horne, E. R. 3 t *522 W. 123*
Horowitz, P. *f a*
106 Franklin, Bklyn.

Hoster, M. T. 3 *s* 40 Prospect Terrace, E. Rutherford, N. J.
Houston, A. 1 *l* 417 W. 117
Houston, J. F. 3 b
32 Ward, Orange, N. J.
Hover, D. L. C. 1 *s*
Teasdale pl., Bronx
Howard, F. L. 3 t *Whittier*
Howard, I. M. 2 t *Whittier*
Howe, C. G., 4 *t* Whittier
Howe, G. M. 1 l
249 Gates ave., Bklyn.
Howe, C. H. 2 *s* 100 W. 118
Howell, J. M. *nm s* Livingston
Howell, R. 2 *l* 2030 Bway.
Hoyns, G. W. 4 *s* Ft. Washington ave. & Depot Lane
Hoyt, R. E. 1 *m*
Nat'l Arts Club, Gramercy Park
Hoyt, H. L., Jr., 2 *s* 9 W. 32
Hoyt, H. S. 1 *Nutley, N. J.*
Hoyt, N. S. 3 *c* 70th & Bdway.
Hubbard, T. B. 1 *m* 28 W. 61
Hubbard, J. F. W. 2 b
129 Harrison, Bloomfield, N. J.
Hubbell, A. H. 3 *s*
485 Marborough rd., Bklyn.
Huber, J. C., Jr., *f a*
Hudson, H. K. 2 *s* 1 E. 76
Hufeland, E. 3 b
121 N. High, Mt. Vernon
Hufeland, M. A. 3 b
121 N. High. Mt. Vernon
Hume, H. G. 2 *s* Hartley
Humfeld, E. W. 3 t *524 W. 123*
Humphreys, G. H. 3 *m* 78 W. 85
Hungerford, F. A. 4 t *530 W. 123*
Hunsdon, E. C. 3 b
Liberty ave., New Rochelle
Hunt, J. J. 3 *m* 402 W. 58
Hunter, G. L. 1 b *521 W. 122*
Huntington, B. 4 t
187 Madison, Bklyn.
Huntington, W. C. 4 *s* Hartley
Huntzukey, F. J. 3 *s* 605 W. 113
Hurley, M. L. 3 *s* 234 W. 114
Hurty, K. E. 4 t *44 W. 106*
Huston, H. W. 2 *m* 341 W. 55
Hutchinson, E. J. pl *501 W. 120*
Hutchinson, G. E. 2 *s* 51 W. 95
Huth, C. F. *pl* 557 W. 124
Hüttlinger, C. F. 1 *c*
771 Carrol, Bklyn.
Huttmann, M. A. pl *417 W. 118*
Hwang, Y. L. *ph*
Madison, New Jersey
Hyde, Mrs. B. E. 3 t *Whittier*
Hyman, D. E. 4 *m* 113 Ludlow
Hyman, M. 2 *l* 111 E. 81

Ill, E. A. 1 *m* 122 W. 64
Ingalls, F. M. 2 b *153 W. 80*
Ireland, A. B. 3 t *419 W. 121*
Ireland, E. W. 3 *t* College Pt., L. I.
Irving, S. 3 t *15 W. 106*
Isaacs, S. S. 2 *l* 51 E. 96
Israel, M. B. 4 b *101 W. 78*
Isschot, C. A. van *s* Livingston
Ives, F. L. 2 *s* 117 E. 30
Ivimey, E. M. 2 b
3089 Decatur ave., Bronx
Ivimey, M. R. 1 b
3089 Decatur ave., Bronx
Ivins, W. M., Jr. 3 *l*
25 Madison ave.
Iyengar, S. D. S. 4 *s* 353 W. 119

Jabine, W. 4 *c*
365 Warburton ave., Yonkers
Jackson, Mrs. B. H. b 358 W. 120
Jackson, C .F. H. 4 *c*
Westchester, N. Y.
Jackson, E. H. 3 t *153 E. 62*
Jackson, F. W. 3 *l*
692 West End ave.
Jacobson, H. 2 *s* 338 E. 116
Jackson, G. L. *gr t* 358 W. 120
Jackson, J. A., Jr. 1 *m* 133 W. 64
Jackson, L. 1 *l* Livingston
Jackson, V. 1 b *1206 E. 167*
Jacques, W. S. 1 *s* 604 W. 115
Jacobs, E. 4 b *92 Morningside ave.*
Jacobson, S. L. 3 t *529 W. 123*
Jaffe, H. M. 4 *m*
423 Grove, Jersey City
Jaggard, A. G. 2 b
527 Bedford ave., Bklyn.
James, Henry 4 *m*
527 Madison ave.
Janeway, W. R., 2d, 4 *m*
5 St. Marks pl., New Brighton, S. I.
Jansen, T. C. 1 *s* 506 W. 113
Jansen, William 3 *t*
2265 Belmont ave.
Janvrin, E. R. P. 2 *m*
191 Madison ave.
Jaques, G. W., Jr. 3 *c*
112 W. Jersey, Elizabeth, N. J.
Jacques, M. V. 1 b
112 W. Jersey, Elizabeth, N. J.
Jarrett, B. A. pl 502 Quincy, Bklyn.
Jarvis, R. P. *p* Hartley
Jeidell, H. 3 b
Jellenik, I. E. 4 b *18 E. 60*

Jenkins, M. G. 3 *s* 173 W. 85
Jennings, C. M. p *503 W. 121*
Jessup, D. W. 3 *s* 413 W. 117
Jewell, I. E. 4 t *Whittier*
Joachimson, A. 3 b *147 E. 92*
Jobe, M. L. pl *Whittier*
Joerg, A. N. 1 *c*
1134 Halsey, Bklyn.
Johnson, A. pl *Whittier*
Johnson, E. B. 3 t *Whittier*
Johnson, F. *f a* 531 W. 113
Johnson, L. P .4 b *521-523 W. 122*
Johnson, M. H. 3 t *Whittier*
Johnson, P. P. 3 t *Whittier*
Johnson, T. J. A. 3 *m* 203 W. 3
Johnson, W. 3 t *528 W. 123*
Johnson, W. C. 3 *t* 604 W. 135
Johnson, W. T. *f a* 147 W. 63
Johnson, W. T. *f a*
200 Riverside Drive
Johnston, W. H. 4 *t*
996 Lafayette ave., Bklyn.
Jollon, A. J. 1 *l*
125 Vernon ave., Bklyn.
Jones, A. M. 3 t *Whittier*
Jones, C. R. 2 *c*
1 Mt. Morris Park West.
Jones, G. *l* 222 Madison ave.
Jones, G. G. 3 *c* 157 W. 81
Jones, H. C. *nm*
2881 Bway.
Jones, J. D. 1 *c* 881 Third ave.
Jones, L. M. 3 *s* 532 W. 152
Jones, M. E. 4 t
25 Hill, Newark, N. J.
Jones, R. 3 t *409 E. 64*
Jones, R. C. 4 *s* 608 W. 113
Jones, S .M. 4 t *Whittier*
Jones, W. B. 1 *s* 644 E. 141
Jordan, C. P. 1 *s*
302 Central Park West
Jordan, M. M. 4 t *Whittier*
Josephs, I. S. 4 *s* 2880 Bway.
Jouard, F. L. *p* 337 E. 68
Judson, L. 1 *l* 731 Elton ave.

Kagan, F. 4 t *225 E. 63*
Kahle, H. *f a*
116, near Riverside Drive
Kantor, J. L. 2 *c* 746 E. 142
Kanzler, J. 2 *l* Livingston
Kätz, E. J. 2 *c* 249 E. 68
Kaye, B. M. 3 *l* 106 W. 136
Kayser, C. E. 2 *c* 71 E. 87
Kauffman, W. A. *p*
1240 Degraw, Bklyn.
Kaufmann, J. H. 1 b *1 W. 94*
Keating, T. S. 4 *m*
290 Willoughby ave., Bklyn.
Keator, R. M. 1 *s* 543 Madison ave.
Keeney, C. B. 4 *m* 11 Bway.
Keeney, S. 4 b *48 W. 94*
Keightley, A. K. 4 t *Whittier*
Keith, J. S. 3 *l* Hartley
Keller, M. D. 4 *m* 83 Essex
Keller, W. B., Jr. 4 *c* 252 W. 76
Kelley, W. E. 4 *c*
116 & Seventh ave.
Kells, L. C. 1 *l* 174 St. Nicholas ave., care Brenner
Kelly, E. E. 2 *c*
1088 Lafayette ave.
Kelly, K. H. 3 t *Whittier*
Kelly, L., Jr. 2 *s* 2325 Seventh ave.
Kemp, W. C. B. *pl* Livingston
Kendall, E. C. 3 *s* 531 W. 113
Kendler, J. 2 *l* 5 E. 105
Kennedy, C. F. 2 *c* 502 E. 84
Kennedy, F. W. 2 *s*
758 Ave. A, Bayonne, N. J.
Kennedy, M. S. ph *124 W. 126*
Kennedy, W. W. 1 *s* 15 W. 73
Kenney, M. F. 2 b
358 E. Second, Plainfield, N. J.
Kent, T. 1 *l* 313 Lenox ave.
Kentwell, L. K. 1 *l* Livingston
Kerley, J. H. 2 *c*
388 Carlton ave., Bklyn.
Kerner, A. M. 3 b
27 Woodlawn ave., J. C.
Kerr, L. 2 b
Hotel Marseilles, 103 & Bway.
Keyes, R. K. ph 27 Monroe, Bklyn.
Kiendl, T., Jr. 1 *c*
105 Pennsylvania ave., Bklyn.
Kiersted, R. A. 3 t *Whittier*
Kilroe, E. P. *pl* 364 W. 118
Kimball, E. f a
Kimbel, W. A. 2 *c* 320 W. 104
King. A. C. gr t *2412-7 ave.*
King, C. B. 2 *l*
Grantwood, N. J.
King, H. F. 4 *s* 604 W. 114
King, M. B. 1 b *798 Valley Road, Montclair Heights, N. J.*
King, T. E. 1 *c* 342 W. 85
King, V. L. 3 *s* 128 Hackensack, Wood Ridge, N. J.
Kingsbury, J. A. 3 *t* 557 W. 124
Kingsbury, J. W. *p* 526 W. 123
Kingsbury, L. C. 3 t *301 W. 112*
Kinnison, E. ph *510 W. 124*
Kinsman, R. E. 1 *s* 348 W. 87
Kirley, R. T. 1 *c* 103 & Bway.

Kirby, V. R. 3 t *Whittier*
Kirchberger, E. 4 t *186 W. 135*
Kirchwey, D. B. 1 b
908 St. Nicholas ave.
Kirk, E. 4 *c*
762 Westminster rd., Bklyn.
Clauss-Kirsten, Mrs. M. 4 t
1489 Amsterdam ave.
Kirtley, L. L. 3 *s* Livingston
Kissell, M. L. 4 t *519 W. 121*
Kistler, L. G. 1 *c* 21 and Cropsey ave., Bath Beach, Bklyn.
Kitson, H. W. 2 *s* 202 W. 74
Klaber, W. *p* 389 Manhattan ave.
Kleeberg, G. S. P. 3 *l*
3 Riverside Drive
Klein, B. M. 4 b *157 W. 76*
Klein, C. L. 3 *t* 3602 Third ave.
Klein, D. *ph* 81 Ave. C
Klein, F. E. 3 *l* 206 E. 30
Klein, G. C. 1 *m* 325 W. 58
Klein, J. C. 2 t *157 W. 76*
Klein, J. E. 2 *s* 362 W. 131
Klein, L. 1 *c* 105 W. 136
Klein, M. I. 3 b *Floral Park, L. I.*
Kleinberg, S. 3 *m*
43 Humboldt, Bklyn.
Klepetko, E. 1 *c*
302 Central Park West
Klinger, E. A. f a
380 Macon, Bklyn.
Kline, H. J. 4 *s* 635 E. 9
Kloster, V. E. 2 b
215 St. John's pl., Bklyn.
Knapp, H. O. 2 *s* 35 W. 75
Knapp, R. E. 4 *m*
110 Main, Hackensack, N. J.
Kobbé, F. W. 3 *c* 142 E. 18
Koechl, O. R. 3 *l*
47 Montgomery pl., Bklyn.
Koenig, N. A. *ph* 80 W. 12
Kohlberg, H. S. 4 *c* Hartley
Kohn, I. C. 3 b *13 E. 75*
Koken, W. T. 2 *s*
936 West End ave.
Koo, V. K. W. 2 *c* Hartley
Korey, A. J. *gr. t*
1712-78, Bklyn.
Kovar, A. *ph* 104 W. 109
Kozminsky, L. M. 2 *s* 557 W. 124
Kraft, P. H. 1 *c* 21 E. 118
Kraft, W. J. *f a*
Mamaroneck, N. Y.
Kramer, H. F. 4 *m*
84 Tillary, Bklyn.
Kramer, I. G. 3 *m* 27 W. 111
Krans, E. S. 4*m* 29 W. 84
Kraus, A. 3 *b* 508 E. 89
Krauss, F. I. 2 *m* 12 Washington
Kreiner, L. M. 4 t
224 Broad, Newark
Krell, I. 2 *s* 535 E. 11
Krenning, E. A. 4 t *Whittier*
Krivulin, H. A. 2 *s* 75 E. 120
Kroeger, H. B. 1 *c* 228 E. 79
Kröger, H. A. 4 *s* Spuyten Duyvil
Krom, G. F. 1 *l*
Kronman, D. E. 1 *c* 51 W. 114
Kropff, A. H. 3 *s* 136 W. 119
Krug, F. nm t *Whittier*
Kruse, F., Jr. 4 *s* 7 W. 101
Kudlich, B. R. 2 *c* 153 W. 21
Kudlich, H. F., Jr. 2 *s* 153 W. 21
Kunz, G. H. *nm c* 49 W. 57
Kupfer, V. B. 2 b *5 E. 80*
Kurr, F. L. 2 *s*
4 Rochelle pl., New Rochelle
Kuschke, Carl, *p* 312 Second ave.
Kuser, P. D. *nm s* 441 E. 57

La Fétra, W. W. 3 *l* 144 W. 104
Laing, J. A. 2 *l* 414 W. 118
Lamb, A. R. 4 *m*
527 Madison ave.
Lamberson, W. 4 *m* 307 W. 136
Lamke, D. H. 2 *s*
35 Pineapple, Bklyn.
Lamphear, G. E. 4 t
Ocean Terrace, Stapleton, S. I.
Lamson, C. 4 t *Whittier*
Lancer, J. J. 2 *m*
1336 Washington ave., Bronx
Landsman, S. 3 *s* 445 W. 40
Lane, S. C. f a *26 E. 109*
Lang, J. T. 1 *c* 53 Charlton
Langworthy, H. M. 3 *l*
Earl Hall
Lanman, F. R. 4 t *526 W. 123*
Lapolla, G. M. 1 *c* 14 Spencer pl., Mamaroneck, N. Y.
Larter, H. M. 3 t *Whittier*
Latham, H. S. 2 *c*
17 Pleasant pl., Arlington, N. J.
Latham, M. L. p *500 W. 124*
Lau, R. F. 3 *c*
650 Leonard, Bklyn.
LaVake, R. T. 2 *m* 319 W. 103
Lavandera, M. 2 *m* 302 W. 56
Lawrence, E. E. 1 b *535 Union ave.*
Lawrence, G. A. 3 *l* 10 E. 58
Lawrence, L. M. ph *609 W. 135*
Lawson, C. F. *ph* 261 W. 129
Lawson, G. P. 2 t *527 W. 124*
Lawson, L. 4 t *Whittier*

Lawson, T. E. 1 *s* 521 W. 111
Lay, S. E. 4 b *2137 Fifth ave.*
Leaming, E. H. 1 *s* Livingston
Leary, D., Jr. 2 *c* 5 W. 125
Leavenworth, E. W. 2 *l* Livingston
Lebendig, A. 1 *m*
Leber, O. H. 3 *m* 928 Bloomfield, Hoboken, N. J.
Lee, A. M., Jr., 3 *c* 614 W. 113
Lee, C. E. 4 t *419 W. 118*
Lee, F. M. 3 t *Mamaroneck, N. Y.*
Lee, O. 2 b *27 Manhattan ave.*
Lee, R. R. 1 *l* 87 W. 103
Leeburger, B. 1 b *306 W. 99*
Leggett, A. L. 3 t *49 Warren, Bklyn.*
Leland, A. P. ph
Leland, F. ph *Prince George Hotel*
Lemon, M. A. 3 t *Whittier*
Lent, J. R. 1 *c* 80 Riverside Drive
Leo, J. 1 b *91 Ashburton ave., Yonkers*
LeRoy, R. 2 *l* 28 Seventh ave.
LeRoy, W. I. 3 *t* Livingston
Leslie, E. H. 2 *s* Livingston
Lesser, M. L. 1 *c* 308 W. 88
Lester, C. F. *pl* 237 Westfield ave., Elizabeth, N. J.
Leuchs, F. A. H. 3 *c* 628 E. 145
Levene, Harry, 3 *t* 10-12 Attorney
Levie, R. P. 1 *s* 363 S. Seventh ave., Mt. Vernon, N. Y.
Levin, H. 4 *s* 178 Second ave.
Levine, M. *ph* 155 Madison
Levine, O. 2 *c* 48 W. 114
Levy, A. S., Jr. 4 *c* 110 Central Park West
Levy, B. 4 *c* 202 E. 68
Levy, B. M. 3 *l* 64 E. 122
Levy, E. B. 3 *l* 700 West End ave.
Levy, H. A. *p* 1054 Boston rd.
Levy, J. 2 b *202 E. 68*
Levy, R. A. 2 b *1340 Madison ave.*
Levy, S. 2 b *St. Denis Apartment, 92 & Riverside*
Lewin, J. C. 4 *s* 101 N. Main, Port Chester, N. Y.
Lewine, H. S. 4 *c* 813 Lexington, ave.
Lewis, L. C. 3 *c* 80 Perry
Lewis, M. J. 3 t *65 Orange rd., Montclair, N. J.*
Lewis, R. C. *l* Livingston
Lewis, T. K. 3 *t* 417 W. 118
Lewisohn, J. A. 4 *s* 9 W. 57
Lewisohn, S. A. 3 *l* 9 W. 57
Lewyn, O. M. 3 *s* 50 E. 91
Lichtenstein, G. 4 *m* 1834 Lexington ave.
Lichter, B. A. 3 *c* 1666 Bathgate ave., Bronx
Liebler, T. A., Jr. 4 *c* Hartley
Liebman, L. M. 1 *c* 428 S. Michigan ave.
Liebovitz, S. 2 *c* Arverne, L. I.
Lindo, A. 4 *s* 134 W. 78
Lingg, A. S. 3 t *109 St. Paul's ave. Tompkinsville, S. I.*
Linn, P. H. 3 *t* Hartley
Lipe, M. V. 4 b *521 W. 122*
Lippmann, H. M. 2 *c* 60 E. 91
Lipstate, W. A. 1 *s* Livingston
Lisman, O. C. 4 *s* Livingston
Lissauer, A. W. 2 *s* 477 Central Park West
Litchfield, B. S. *p* 9 E. 39
Littenberg, S. J. 3 *m* 77 W. 119
Little, J. M. 4 *s* Livingston
Livingston, W. S., Jr. 1 *c* 161 E. 36
Lloyd, K. E. 3 *s* 612 W. 115
Lloyd, L. 1 *c* 3136 Bway.
Lobdell, J. N. 4 *t* Livingston
Lobeck, A. E. 3 *c* Haworth, N. J.
Lobel, S. M. 1 b *10 W. 93*
Locke, P. E. 2 *s* 346 W. 71
Loder, G. E. *c* Port Chester, N. Y.
Loeb, H. B. 3 b *12 W. 84*
Loeb, J. 3 t *77 Heberton ave., Port Richmond*
Loehrsen, A. 1 b *2133 Third ave.*
Loening, G. C. 2 *c* 152 W. 76
Loewy, A. A. 1 *s* 610 W. 113
Logan, U. 2 b *Pennsylvania ave., Yonkers Park*
London, M. 3 *l* 64 W. 115
Long, A. B. 4 t *Whittier*
Long, A. I. 3 t *537 W. 123*
Long, J. J. pl *132 Montague, Bklyn.*
Longnecker, I. H. *s* 630 W. 116
Loomie, Leo S. 1 *s* 36 Morningside ave.
Lord, F. B., Jr. 1 *l* 36 W. 51
Lord, M. E. 4 b *Ridgefield, N. J.*
Losee, F. I. *pl* 224 Broad, Bloomfield, N. J.
Louria, A. L. 1 *c* 249 Hewes, Bklyn.
Lowenthal, A. 4 b *32 Greenpoint ave., Woodside, L. I.*
Lowie, R. H. *ph* 138 W. 117
Loveman, M. H. 2 *c* 210 W. 139

Lucas, D. R. 4 *m*
Lucas, E. B. 4 t 362 Riverside Drive
Lucas, E. C. 2 b 357 W. 115
Lucey, M. H. *gr t*
2092 Washington ave.
Ludlow, T. R. 3 *l*
382a Sixth ave., Bklyn.
Lührs, I. 2 *c*
153 North, Jersey City
Lukens, E. F. 1 *s* 306 W. 109
Lund, F. N. 3 *s* 2041 Fifth ave.
Lupton, E. R. 1 *m* 338 W. 56
Luscomb, H. T. 3 *s*
439 Macon, Bklyn.
Luth, E. H. 3 t 54 W. 105
Lyman, G. D. 2 *m* 231 W. 69
Lyman, G. G. special b
2 St. Nicholas pl.
Lynch, G. A. 2 *t* 104 E. 101
Lynn, H. H. E. 4 *s* 162 W. 96
Lyon, D. O. 2 *m*
111 Crary ave., Mt. Vernon

McAlpin, K. R. 1 *m* 55 W. 33
MacArthur, D. M. *nm c* 31 E. 17
McBaine, R. H. 4 *m* 80 W. 94
McBurney, M. 1 *m* 38 E. 31
McCaig, C. T. 4 t 505 W. 122
McCall, J. F., Jr. 4 *c*
1621 Madison ave.
McCall, R. gr t 430 W. 118
McCann, M. D. 1 b
69 Ashford, Bklyn.
McCarthy, C. A. 3 *m* 145 W. 61
McCarthy, T. 4 *c* 137 W. 120
McCartney, E. B. 3 *s* 429 W. 117
McChesney, P. E. 1 *m* 122 W. 64
McChrystal, M. A. 2 *s* Livingston
McCluskey, R. J. 3 *m* 304 W. 55
MacCall, R. J. 1 *c* 502 W. 113
McCoun, F. H., Jr. 2 *c* 38 W. 84
McCoy, P. J., Jr. special *c*
414 W. 149
McCready, R. L., Jr. 4 *m*
228 W. 127
McCreery, J. A. 1 *m*
350 Lexington ave.
McCracken, E. P. 2 *s* 135 W. 92
McCulloch, P. J. 2 *s* 429 W. 117
McCully, F. M. 3 t 524 W. 124
McCully, M. S. 4 t 524 W. 124
McCully, O. S. 4 t 524 W. 124
McCurdy, D. 4 t 85 Java, Bklyn.
MacCutcheon, A. M. 3 *s*
544 W. 113
McDermott, A. V. 1 *c*
850 St. Marks ave., Bklyn.
Macdonald, C. C. 3 t Whittier
Macdonald, E. B. 3 b
431 Riverside Drive
MacDonald, J. J. special *s*
Livingston
McDonald, J. O. 2 *m* Hartley
McEniry, W. P. 1 *l*
MacEwan, E. L. 3 b
131 Clifton ave., Newark
McFarlane, J. 4 t Whittier
McGill, F. C. *gr t* 220 W. 123
McGrath, A. J. 1 b Whittier
MacGreevy, W. J. 3 *c* 38 W. 131
McKanna, E. A. 1 *s* Hartley
McKee, E. D. 4 b 503 W. 122
McKeen, E. 3 t Whittier
McKennis, H. 2 *l* Livingston
McKenney, W. J. 1 *c* 329 W. 77
Mackenzie, G. M. 3 *c* 604 W. 114
Mackenzie, J. C., Jr. 2 *c*
604 W. 114
McKinlay, C. M. 4 *c* Tenafly, N. J.
McLane, F. M. 4 b
107 Morningside ave.
McLaughlin, P. 4 b 2040-7 ave.
McLaury, F. 2 *c*
McLean, C. S. 3 *m* Livingston
McLean, H. C. 2 *c* Livingston
McLean, M. 2 b 521 W. 122
McLelland, M. 3 t 527 W. 123
McMahon, A. E. M. 4 t
306 E. Bway.
McMakin, A. L. 3 t 78 W. 94
McMillan, M. E. 3 t 25 W. 93
McMarrow, T. J. 2 *l* 63 E. 93
MacMurray, C. 1 b
174 Carteret ave., Jersey City
McPherson, H. 2 b 211 W. 85th
Mabee, W. S. 3 *c*
794 E. 19, Paterson
Mackay, W. W. 1 *m*
Speyer School
Mackby, J. *f a* 35 W. 114
Macneil, A. R. 3 t 223 W. 106
Macro, J. C. 1 *l*
2108 & 10 Second ave.
Macy, M. W. 1 b 3603 Bway.
Mahon, R. V. 1 *c* 229 W. 138
Maison, E. N. 1 b Rutherford, N. J.
Malcomson, M. D. 1 *s*
63 Valley rd., Orange, N. J.
Maller, J. 1 *s* 417 E. 6
Malmros, N. L. A. 1 *s*
111-1, Yonkers
Mandel. L. 1 b 135 Ave. C.
Mandelbaum, H. D. 4 *m*
418 Central Park West

Mandeville, F. N. 2 *m*
256 Clinton ave., Newark, N. J.
Mangan, J. J. 2 *c* 604 W. 114
Manley, A. L. 3 b *303 W. 133*
Manlove, M. B. 3 t *Whittier*
Mapelsden, R., J. 3 *c* 565 W. 113
Mapes, C. D. 2 *s* 62 W. 127
Mapes, M. C. 2 *s* 62 W. 127
Marcus, C. 3 *s* Far Rockaway
Marcus, C. L. 2 *c* 112 E. 80
Marder, J. D. 1 *s* 222 W. 122
Margovitz, D. M. 1 *c* 34 W. 112
Marilley, E. P. 1 *c* 18 W. 103
Marker, I. M. nm t *Whittier*
Markley, M. E. ph *Whittier*
Marren, M. L. 3 b *521 W. 122*
Marsden, W. E. 2 *l* Livingston
Marsh, A. G. 1 *s* 170 W. 85
Marsh, D. 3 t *151 W. 105*
Marsh, R., Jr. 4 *s* 235 W. 75
Marsh, T. McC. 3 *l*
East Orange, N. J.
Marshall, A. M. 3 b
63 Buffalo ave., Bklyn.
Marshall, C. C. 3 *c* Livingston
Marshall, M. O. 3 b *3611 Bway.*
Marshall, R. P. 3 *c*
433 Central Park West
Marshall, W. R. 3 *s* 1011 Tiffany
Marston, J. P. *ph* 317 W. 56
Martin, C. J. 3 *t*
Teachers College
Martin, E. M. 1 b
Perth Amboy, N. J.
Martin, M. M. 3 t
29 Maple ave., Madison, N. J.
Martin, M. L. 3 t *Whittier*
Martinez, E. A. 1 *c* 137 W. 97
Martini, A. S. 2 t
912 Crotona Pk. S.
Martland, R. B. 4 *c*
1138 Broad, Newark
Marwick, R. H. 1 *s*
2340 Seventh ave.
Mascord, E. F. 4 t *Whittier*
Mason, F. L. 2 *s* 578 E. 152
Mastin F. J. 3 b *415 W. 118*
Mathews, A. F. 1 *c* 234 Bway.
Mathews, L. E. f a
106 Carnegie ave., E. Orange, N. J.
Matz, L. 2 *s* 1858 Seventh ave.
Maurice, A. T. 1 *l* Livingston
Maves, A. E. 2 *l* 567 W. 171
Maxon, M. 3 b *Mt. Vernon*
May, C. E. *p* 557 W. 124
May, E. R. 2 *s* 306 W. 109
Mayer, C. 3 *c* 41 E. 72
Mayer, L. 2 *m* 96 & Madison ave.
Mayman, J. E. 3 *t*
147 Belmont ave., Bklyn.
Mead, F. S., Jr. 2 *c* Hartley
Madalie, G. Z. 3 *l* 20 E. 132
Mehler, E. S. f a 619 West End ave.
Mehler, L. 2 *c* 619 West End ave.
Mela, H. F. 2 *l* 217 E. 61
Melitzer, S. 2 *c* 246 Rivington
Melville, J. W. 2 *c*
81 Pierrepont, Bklyn.
Melville, N. J. *ph* Deer Park, L. I.
Menke, W. 3 *s* 155 W. 63
Menocal, J. G. 3 *s* Livingston
Mentzel, C. 4 *s* 8 Beach Terrace
Meredith, H. M. 2 *l* 366 W. 118
Merklinger, T. E. 4 *s*
859 S. 15, Newark, N. J.
Merriam, E. E. 4 t
181 Bay 31, Bklyn.
Merrick, J. B. 4 t *Whittier*
Merrill, E. B. 3 *l* Livingston
Merritt, J. I. *nm s* 614 W. 113
Messenger, H. S. 3 b *534 W. 124*
Metcalf, M. L. 3 t
1161 Amsterdam ave.
Metzger, L. G. W. 4 t *Whittier*
Meyer, A. H. 1 *c* 644 E. 141
Meyer, H. F. 4 *s*
471 Filmore, Bronx
Meyer, M. M. 3 t *418 W. 118*
Meyers, P. W. 1 *s* 500 W. 123
Michael, J. 3 *l* 146 W. 121
Michael, M. 3 *l* Livingston
Michailovsky, B. 3 *m* 146 W. 121
Michell, M. E. 4 t *503 W. 122*
Michels, E. K. 1 b
646 Amsterdam ave.
Middleton, C. D. S. *nm c*
71 & Bway.
Mikame, Y. *pl* 64 E. 133
Milbank, H. 2 *l* 154 W. 48
Milkman, W. B. 2 *c*
244 Garfield pl., Bklyn.
Miller, C. B. 2 *c*
246 Central Park West
Miller, D. G. 2 *s* 605 W. 112
Miller, D. H. T. 4 *c* 619 W. 113
Miller, E. C. 3 *l* Hartley
Miller, E. H. 2 b *73 E. 92*
Miller, G. E. 4 *m* 216 W. 104
Miller H. R. 3 *c*
466 Willoughby ave., Bklyn.
Miller, L. 4 *m* 64 E. 113
Miller, M. A. 3 b *314 W. 104*
Miller, M. C. 3 t *17 E. 124*
Miller, M. H. 3 *l* Livingston

Miller, R. E. 3 t *116 E. 18*
Miller, W. T. 3 *s* 604 W. 114
Millett, K. B. 4 *s* 250 W. 88
Milliken, E. N. 4 *t* Hartley
Millis, J. F. *gr t* 545 W. 123
Milk, C. B. *nm s* 105 W. 105
Mills, C. B. *nm s* 105 W. 105
Mills, J. S. *gr t* 155 W. 65
Mills, J. S. *p* 155 W. 65
Mills, S. 4 *c* Pelham Manor, N. Y.
Mills, R. F. 1 *c* Hartley
Mills, W. M. 4 *m* 75 W. 55
Miltenberger, A. L. 2 *s* Hartley
Miltinburger, W. 2 *s* Hartley
Miner, G. M. 4 t *552 Lenox ave.*
Miner, M. E. pl *410 W. 20*
Minor, J. H. 1 *c* Hartley
Mishkin, V. 3 *s* 79 Clinton
Mitchell, J. P. ph *416 W. 118*
Mitchell, M. 3 t *Whittier*
Mitchell, W. S. 4 *c* 24 W. 10
Mixsell, H. R. 1 *m* 350 W. 71
Mixsell, R. B. 4 *m* 72 E. 34
Modell, David A. 3 *t* 2 E. 111
Mockel, C. R. 4 *m* 165 W. 64
Moeller, S. A. 3 t *341 W. 57*
Moise, G. B. di, 1 *s*
2326-83, Bensonhurst, L. I.
Moitner, A.. Jr. 1 *c*
Monks, W. D. 4 *s*
353 S. Third ave., Mt. Vernon
Monroe, O. L. 3 *m* 329 W. 58
Monsky, J. 2 *t* 318 E. 9
Monteser, M. J. 1 b *356 W. 145*
Montgomery, A. P. 3 *c*
Flushing, L. I.
Montgomery, B. W. pl
Montgomery, W. B., Jr. 3 *s*
416 W. 117
Moonan, W. T. 1 2 *s* 50 W. 104
Moore, F. W., Jr. 1 *m*
408a Clinton, Bklyn.
Moore, G. D. 3 *t*
1253 Garden, Hoboken, N. J.
Moore, J. H. *ph* 8 W. 119
Moore, P. A. 3 *l* Livingston
Moore, W. F. 2 *c* Briggs ave.,
Bedford Park, N. Y.
Morales, L. *f a* 350 W. 58
Morehouse, E. 3 b *247 W. 107*
Morewood, F. E. *f a* 86 Front
Morgan, T. C. 2 *c*
1173 Bushwick ave., Bklyn.
Morgan, W. R. 2 *c* 520 W. 123
Morgulis, S. *p* 117 Henry
Mori, V. W. 4 234-5
Moriarty, M.L.2 t 66 Post, Yonkers
Morris, A. B. 1 *c*
169 Warren, Bklyn.
Morris, D. H. 2 *m* 161 W. 87
Morris, N. 2 t *Park Hill, Yonkers*
Morrison, M. H. *nm s*
72 & Bway.
Morriss, A. D. 1 *s* Prospect ave.,
New Brighton, S. I.
Morrow, R. L. 1 *s* 66 W. 40
Morse, L. T. 3 *t* Hartley
Morse, M. *p* 510 W. 124
Moses, A. S. 2 *c* 3611 Bway.
Moses, E. F. 1 *c* 222 E. 61
Moses, R. 1 b *103 W. 88*
Moss, A. B. 2 *c* 306 E. 120
Mott, K. 2 *s*
309 Nelson ave., Peekskill
Mott, W. W. 2 *m* 166 W. 121
Mucklow, W. B. 2 *s* 614 W. 113
Muhs, E. D. nm t *Whittier*
Mulholland, V. I. 1 *s*
2580 Marion ave.
Mullen, L. B. *p*
Girls' High School, Bklyn.
Muller, A. H. 3 b *166 W. 122*
Müller, F. 2 *s* 1198 Franklin ave.
Muller, T. *c* 5 W. 117
Munker, M. J. 4 *m* 1 W. 92
Murdock, A. M. 4 t *242 W. 58*
Murn, C. J. 4 *m*
16 Greene, Paterson, N. J.
Murphy, C. A. 1 *l* Livingston
Murphy, H. C., Jr. 2 *s* Hartley
Murphy, R. K. 1 *s* Livingston
Murphy, Wm. D. 3 *c* 40 E. 49
Murray, E. H. *ph*
Murray, H. F. 1 *c*
Undercliff ave., Highbridge P. O.
Murray, J. A., Jr. 1 *c* 419 W. 147
Murray, J. E. 4 t *507 W. 124*
Murray, L. S. f a *Montclair, N. J.*
Murray, V. B. 1 *c* Fordham rd.
Myrick, P. R. 1 *m*

Nammack, C. H. 2 *c* 42 E. 29
Nammack, E. F. ph
Wadleigh High School
Nammack, M. 1 b *42 E. 29*
Nauheim, M. 1 *c* Nelson ave.,
Far Rockaway, L. I.
Nassau, B. F. 4 t *Whittier*
Nathan, S. 3 *s* 1130 Tinton ave.
Nathans, Mrs. A. J. 3 t
81 & Columbus ave.
Narvarro, J. R. 2 *s* 557-124
Nave, C. C. *nm l* 364 W. 118
Nave, M. D. 2 *l* 364 W. 118

Nessler, E. C. 4 t *300 W. 109*
Neergaard, A. E. 1 *m* 151 W. 70
Nesbit, W. M. *ph* 304 W. 99
Neuman, A. 1 *c* 294 Broome
Neustadt, R. 2 *c* 141 W. 136
Newberry, A. W. 4 *s* 417 W. 120
Newbold, H. 2 b *508 W. 113*
Newcomer, H. *p* Wadleigh High School, 114 near Seventh ave.
Newell, W. 4 *s* 315 W. 97
Newland, M. C. 3 b *550 W. 113*
Neyde, M. G. f a *212 Garfield pl., Bklyn.*
Nichols, D. M. 3 t *312 W. 105*
Nicholson, J. H. 3 t *Whittier*
Nieder, P. G. 4 *s* Hartley
Nielsen, K. 3 t *500 W. 121*
Nighman, C. E. 2 *c* 22 W. 35, Bayonne, N. J.
Nilsen, A. 3 *m* 27 W. 88
Nissenson, S. G. *pl* 108 W. 124
Nitchie, E. I. b *137 Prospect Park West, Bklyn.*
Noble, R. 1 *c* 304 W. 77
Noye, A. A. *ph* Groff School, 72
Nolan, G. C. 4 t *Whittier*
Norden, N. L. 2 *c* 101 W. 118
Norsworthy, L. D. 2 *s* 557 W. 124
Norton, C. W. 4 *m* 328 W. 56
Norton, G. W. *gr t* 471 First ave., Astoria, L. I.
Norton, H. LeR. 4 *m* 80 St. James pl., Bklyn.
Norton, R. W. 4 t *Whittier*
Norwood, R. W. General Theological Seminary
Noyes, A. G. t *501 W. 123*
Nutt, G. H. *nm t* 10 St. Nicholas Terrace
Nye, B. H. 2 *c* 118 Locust Hill ave., Yonkers

Oakley, T. P. *c* 5 W. 125
Oakley, W. W. 1 *s* 420 W. 144
O'Brian, L. E. 1 *s*
O'Brien, J. G. 2 b *247 Marcy ave., Bklyn.*
O'Brien, M. B. 3 t *128 W. 95*
O'Connell, J. J., Jr. 2 *c* 340 Dean, Bklyn.
O'Connor, V. A. 1 *l* 698 Decatur, Bklyn.
Odell, B. B. *nm c* 627 W. 115
Odencrantz, L. C. 4 b *260 W. 122*
O'Donnell, A. T. 1 b *168 W. 120*
O'Donnell, M. M. A. 1 b *168 W. 120*
Oesterlein, C. R. 4 b *19 W. 129*
Ogden, A. 2 *c* Delta Phi Club, W. 116
O'Gorman, E. K. 3 b *318 W. 108*
O'Hern, D. J. 1 *l* 527 W. 121
Olinger, H. C. 3 *c* 65 W. 46
Oliver, J. W. *gr t* Hartley
O'Conor, D. J., Jr. *nm s* 30 W. 60
Olsan, H. 2 *m* 1840 Madison ave.
O'Mahoney, J. C. 3 *c* 82 Ginnell ave., Corona, N. Y.
O'Neale, M. L. 1 *s* 417 W. 114
Openhym, W. A. 2 *l* 352 Riverside Drive
Oppenheim, E. 2 b *13 W. 88*
Oppenheimer, E. D. 4 *m* 56 E. 66
Opperman, J. M. 4 t *378 Lewis ave., Bklyn.*
Ornstein, A. 2 *s* 520 W. 123
Ortlieb, S. A. 1 *c* 22 E. 89
Osborne, R. S. 4 *s* Yonkers, N. Y.
Osborn, S. R. *s* 6-5, New Brighton, S. I.
Osborne, E. W. 1 *c* The Ansonia, 73
O'Shea, E. C. 3 t *Whittier*
Oshima, C. *pl* 40 E. 74
Osterhout, E. H. *c* Freeport, L. I.
Osterhout, W. B., Jr. 3 *c* Freeport, N. Y.
Otis, A. H. 3 *c* 157 W. 119
Otis, E. K. 3 *t* Hartley
Otten, L. F. 4 *s* 31 Winyah ave., New Rochelle
Ottenberg, I. S. 4 *c* 147 W. 118
Outterson, B. E. 3 t *Whittier*
Overbeek, J. B. 4 *s* 605 W. 113
Owen, G. G. 4 t *Whittier*
Owen, M. S. 4 *nm* 161 W. 64
Owen, W. R., Jr. 2 *s* Livingston
Owens, J. L. 3 t *515 W. 157*
Owens, V. B. special b *1084 W. 4, Winston, N. C.*

Paddock, L. 1 *c* 141 W. 70
Paddock, R. 1 *c* 141 W. 70
Paige, A. B. gr t *Whittier*
Paine, A. M. 4 t *503 W. 122*
Palliser, G. A. *f a* 1397 Ocean ave., Bklyn.
Palliser, M. B. 1 b *1397 Ocean ave., Bklyn.*
Palmblad, H. V. E. 4 *c* 711 Lafayette ave., Bklyn.
Palmer, E. A. 1 b *51 W. 128*
Palmer, H. 3 *c* 344 W. 84
Palmer, H. C. pl. *538 W. 124*

Palmer, L. A. gr t *235 E. 18*
Palmer, W. G. 4 *c*
110 W. Sidney ave., Mt Vernon
Palmer, W. M. 2 *l*
10 Ackroyd ave., Jamaica, L. I.
Palmer, W. S. 4 *s* Livingston
Pardee, H. E. B. 2 *m* 74 W. 48
Parker, S. C. *gr t*
1288 Amsterdam ave.
Parks, J. L., Jr. *c* 103 E. 21
Partridge, G. W. 4 *m* 141 W. 67
Pascale, V. 1 *m*
17 Greenwich ave.
Paterson, R. G. *pl* 105 E. 22
Paton, F. W. 2 *m* 343 W. 56
Patterson, S. W. *gr t* 343 W. 23
Paul, W. A. 2 *c*
301 Academy, Jersey City
Peabody, J. G. 1 *l*
224 Madison ave.
Peacock, W. T. 4 *s*
384 Madison, Bklyn
Pearce, C. M. 1 *s* Livingston
Pearl, Jos. *ph* 141 Norfolk
Pearson, P. C. *pl* 175 Ninth ave.
Peck, J. A., Jr. 2 *s* Pelham Manor
Peiser, D. W. *ph* Hartley
Pell, W. H. D. 2 *c* 341 E. 50
Pendleton, A. 3 t *Whittier*
Penrose, M. E. 1 b
123 Linden, Yonkers
Percival, H. S. *ph*
General Theological Seminary
Percy, I. C. 4 t *Whittier*
Perham, B. E. 4 t *524 W. 123*
Perkins, E. C. 1 *m* 328 W. 56
Perling, J. 3 *c* 343 E. 79
Perry, A. C. F. 4 *s*
2279 Aqueduct ave.
Perry, A. P. nm t *419 W. 121*
Perry, R. M. 3 *s* 531 W. 113
Pershing, C. L. 3 *m* 118 W. 64
Peshkin, H. C. 3 *s* 47-53 Delancy
Peter, W. F., Jr. 2 *l* Livingston
Peterson, M. L. 3 b *935 College ave.*
Pett, C. G. 4 t *521 W. 122*
Peyser, H. F. 2 *c* 101 W. 80
Peyser, H. F. 2 *c* 203 W. 112
Pfeiffer, E. H. 1 *c* 2 W. 94
Phelps, G. M. 4 *m* New Rochelle
Philippoff, B. 1 *s* Y. M. C. A., 86
Phillips, E. 2 b *35 Riverside Drive*
Phillips, H. S. 2 b
35 Riverside Drive
Phillips, W. 4 *m* 147 W. 63
Pielm, M. 1 *c* 14 E. 97
Piel, H. G. 2 *c* 245 W. 72
Pierce, M. B. 1 *l* 78 W. 94
Pierson, H. O. 1 *l*
Pierrepont, S. L. 4 *c*
116 & Riverside Drive
Pignol, G. A. M. ph *510-2, Bklyn.*
Pinckney, M. L. 3 t
803 Lexington ave.
Pinckney, M. M. 4 t *Whittier*
Pitner, I. K. 3 t *414 W. 118*
Pitt, G. *f a* 902 West End ave.
Plant, E. 1 b
302 Central Park West
Poindexter, N. H. 3 *s* Livingston
Points, J. S. 4 b
84 Storm ave., Jersey City
Poll, D. 3 *c* 562 Seventh, Bklyn.
Popper, J. 2 *m* 180 Tinton ave.
Porter, C. H., Jr. 3 *m*
Porter, E. E. 3 *c* 149 W. 73
Porter, W. R. 2 *l* 149 W. 73
Powell, A. L. 1 *s*
Rockville Centre, N. Y.
Powell, F. J. 2 *l* 331 E. 17
Powell, J. A. 3 *l* Livingston
Powell, T. R. *pl* Hartley
Powers, J. B., Jr. 4 *m* 363 W. 57
Prahl, J. A. 3 b *455 W. 143*
Pratt, J. S. 4 b
11 Locust ave., New Rochelle
Preston, S. D. 1 *l* 56 Park ave.
Price, H. 2 *c* 619 W. 113
Prince, F. 3 *c* 429 W. 117
Pritchard, A. M. p
134 Van Buren, Bklyn.
Probst, H. C. H. 1 *s*
1190 Madison ave.
Puorro, M. 2 *t*
82 Underhill ave., Bklyn.
Purnell, A. 3 t *Whittier*

Quinly, E. M. 3 b
13 Davis ave., White Plains
Quinby, M. G. 3 b *521 W. 122*
Quinn, M. K. 3 b *121 W. 122*

Rabenort, N. L. *ph* 315 W. 97
Rainey, M. C. 4 t *Whittier*
Rainsford, L. F. 2 *m* 209 E. 16
Ramsay, C. L. *ph*
General Theological Seminary
Ramsdell, C. H. 1 *c*
76 Convent ave.
Ramsdell, E. G. 3 *m*
76 Convent ave.
Randolph, F. C. F. 4 *c* 206 W. 96
Ranson, A. A. 2 *m*
Raphael, A. L. 1 *s* 329 E. 124

Raphael, A. M. 4 *c*
285 Central Park West
Rapoport, D. 3 *t* 21 W. 111
Rapp, K. L. 4 b 101 Quincy, Bklyn.
Rapp, P. L. 1 *c* 492 Third ave.
Raubicheck, C. W. 2 *t*
1744 Topping ave., Bronx
Rawcliffe, E. 1 b So. Chestnut Drive, Bronxwood Park
Rawls, P. S. 3 *m* 75 W. 55
Ray, I. C. 4 b 555 W. 182
Read, F. W. 1 b 201 W. 112
Read, H. 1 *l* 505 W. 124
Reardon, M. C. R. b Rye, New York
Redding, H. E. ph 1320-52, Bklyn.
Redmond, D. W. *pl* 519 W. 123
Redmond, K. C. 2 t Whittier
Reed, A. Z. *pl*
Box 223, Mad. Sq. Bu.
Reed, D. B. 3 *m*
Reed, H. B. 1 *m*
Reed, J. A. 4 *t* 523 W. 121
Reed, L. A. 1 *c* 46 W. 83
Reges, C. H. 4 *c*
298 Grand ave., Astoria, L. I.
Reeder, G. A. 1 b
Hastings-on-Hudson, N. Y.
Reesor, M. 3 t 417 W. 120
Reeves, A. G. 4 t 52 E. 102
Rehmann, E. 3 b
492 Mt. Prospect ave., Newark, N.J.
Reichling, G. A. 2 *c*
127 Putnam ave., Bklyn.
Reid, J. M. *l* Livingston
Reidy, M. J. 1 *m* 147 W. 61
Reiley, K. C. ph Bway. & 103
Reilly, D. C. 1 b
53 Albion Place, Port Richmond
Reilly, K. 4 t 33 W. 45
Reininger, W. B. 4 t 72 W. 124
Reizenstein, C. L. 3 *s*
1340 Madison ave.
Remington, H. W., Jr. 2 *s*
88 Convent ave.
Remsen, W. 1 *c* 800 Madison ave.
Renner, F. A. 4 *s*
2065 Valentine ave.
Renshaw, P. 1 *c* Noroton, Conn.
Renshaw, R. R. *p* 515 W. 124
Renton, M. 1 b 71 Orange, Bklyn.
Renton S. H. 1 *c* 71 Orange, Bklyn.
Renwick, H. B. 1 *c*
19 Browne ave., Flushing, L. I.
Reppert, E. L. ph Whittier
Requa, A. 3 b 536 W. 142
Restrepo, L. 1 *s* 688 E. 138
Reynolds, V. 4 t Whittier
Riblet, E. B. 2 *c* 343 E. 68
Riblet, G. E. 3 c 343 E. 68
Riblet, M. V. ph 343 E. 68
Rice, M. 2 *c* 973 Second ave.
Rice, M. W. 2 *s* 926 Madison ave.
Rich, L. E. 3 t Whittier
Rich, N. E. 2 b 23 E. 2, Mt. Vernon
Rich, S. J. 2 b 106 W. 120
Richards, G. M. 3 *s* 75 W. 46
Richardson, A. A. 2 b
1105 Jennings
Richardson, C. H., Jr. 2 *m*
Livingston
Richardson, E. C. 3 b
475 Waverly ave., Bklyn.
Richardson, H. H. 1 *c* 403 W. 126
Riddle, S. C. 1 *l* Livingston
Ridge, F. I. 1 *m* 80 W. 94
Ridlon, H. 3 t 508 W. 112
Riegel, H. 3 *c* 648 E. 11
Riester, L. F. 3 t 210 Alexander ave.
Riley, N. S. 3 *l*
care Studebaker Bros.
Rilke, O. E. 2 b 670 E. 142
Rimpo, E. W. 1 *c*
26 Silkman pl., Irvington, N. J.
Rinck, W. 1 *c*
127 Quitman, Newark
Rindge, F. H., Jr. 3 *c*
78 Manhattan ave.
Rinehart, G. L. 3 t Whittier
Ring, H. M. 3 t 132 W. 88
Rinke, A. W. 1 *l* 145 W. 78
Riordon, A. 2 b 110 E. 82
Rising, H. R. 3 *l* Hartley
Ristine, F. H. *ph* Hartley
Ritter, A. E. B. ph 466 E. 25, Bklyn.
Robert, C. S. 2 *s* Livingston
Roberts, C. McG. *pl* Livingston
Roberts, J. T., Jr. 4 *s* 558 W. 113
Roberts, P. L. 3 *s*
38 S. Parsons ave., Flushing
Roberts, W. H. 3 *m* 354 W. 55
Robertson, K. L. 4 t 417 W. 114
Robie, M. 3 *c* Hartley
Robinson, B. *f a*
2214 St. Andrews ave., Bronx
Robinson, E. D. 3 b
2214 Andrews ave.
Robinson, F. W. *f a*
696 Madison ave.
Robinson, K. D. 2 *s*
Robinson, L. H. 1 *c* 70 E. 120
Robinson, T. A. 2 *s* Hartley
Robinson, C. H. *gr t* 545 W. 123
Rocour, G. 3 *s* Hartley
Rockey, Paul, 3 *m* 231 W. 69

Rockmore, A. 3 *l*
241 Bristol, Bklyn.
Rockwood, N. O. 1 *c*
170 Orange rd., Montclair, N. J.
Rodenburg, J. T. 1 *s* 444 W. 44
Rodes, F. L. 3 t *25 W. 93*
Roe, O. L. 3 b *310 W. 98*
Roeder, R. L. 1 *c* 202 W. 103
Roelkey, D. E. *p* 203 Sterling pl.
Roessler, E. W. *ph* Livingston
Rogers, C. A. 4 t
190 Claremont ave.
Rogers, G. S. 2 *c* 516 W. 142
Rogers, H. E. ph *Whittier*
Rogers, R. E. 2 *l* 1 W. 127
Rollinson, E. H. 4 t *Rahway, N. J.*
Romagna, A. J. 3 *c* 326 W. 113
Rome, J. P. 2 *c* 458 Manhattan ave.
Rome, S. 2 b
334 Schermerhorn, Bklyn.
Roome, C. T. 3 *m* 328 W. 56
Roosevelt, F. D. 3 *l* 125 E. 36
Rosanoff, L. 3 b
1477 Washington ave.
Rose, F. E. 1 b
23 Sussex, Hackensack, N. J.
Rose, J. I. 4 t *431 W. 118*
Rose, L. 2 t *311 W. 95*
Rose, M. E. 4 *m* 14 E. 120
Rosemon, E. 4 b *503 W. 121*
Rosenbaum, C. 1 *m*
693 Columbus ave.
Rosenbaum, E. J. 3 *c* 30 W. 96
Rosenblatt, B. A. 4 *c*
1666 Bathgate ave.
Rosenbloom, J. 2 *m* Livingston
Rosenfelder, F. 2 b *131 W. 97*
Rosenheim, G. B. 3 *l* Livingston
Rosensohn, M. 2 *m* 246 Henry
Rosenson, H. J. 3 *l*
63 Morton, Bklyn.
Rosenthal, G. J. 1 *c* 7 W. 120
Rosenthal, L. B. 2 *m*
1111 Madison ave.
Rosinger, S. *ph*
456 Manhattan ave.
Ross, C. T. 1 *m* 365 W. 55
Ross, G. H. 2 *s* Edgwater, N. J.
Rossberg, F. H. 2 *s* 306 W. 109
Roth, A. E. 1 b *Whittier*
Rothberg, J. B. 3 *s*
1045 Bedford ave., Bklyn.
Rothenberg, A. 3 b *521 W. 122*
Rothschild, L. O. 2 *c* 251 W. 138
Rothschild, M. 2 *s* 993 E. 163
Rothschild, M. L. 4 *s*
440 West End ave.
Rouse, E. C. 3 *c* 429 W. 117
Roux, W. C. 2 *c* 33 First ave.
Roy, E. C. 2 *l* Livingston
Roy, M. M. 2 *c* Irvington, N. Y.
Royce, C. 4 *t* 417 W. 120
Rubin, J. 4 *t* 898 E. 181
Ruediger, Mrs. H. P. 3 t
426 W. 124
Ruhl, H. L. 4 *m* 842 E. 164
Rundle, B. S. 1 *m*
Runk, W. H. *c* 534 W. 124
Runtz-Rees, C. ph Greenwich, Conn.
Runyon, C. 2 *l*
87 Locust Hill ave., Yonkers
Rupp, F. L. 3 *s* 359 W. 34
Rushmore, E. M. pl
129 Montague, Bklyn.
Rusk, E. 4 t *636 Columbus ave.*
Russell, G. E. 3 t *500 W. 121*
Rust, E. H. 4 t *Whittier*
Rutledge, W. C. 3 *m* 161 W. 64
Ryan, J. J. 2 *s* 446 Lenox ave.
Ryba, J. 1 *l* 335 E. 71
Rypinski, J. E. 1 *s* 142 W. 105

Sachsse, Mrs. D. K. ph
18 Morningside ave.
Safier, I. E. *f a* 73 E. 128
Sage, G. N. 1 *l* 520 W. 123
Sage, W. M. 3 *s* Livingston
Sailer, T. H. P. *pl* 156 Fifth ave.
Sales, G. G. 3 *c* Hartley
Salingré, E. 4 t *242 W. 104*
Salsbury, N. 2 *c* 30 W. 96
Salzano, F. 2 *c* 159 Hudson
Sammet, F. G. 3 b *158 W. 120*
Sample, F. 1 *l* 229 W. 122
Samuel, A. B. 3 *c* 135 W. 142
San, L. J. 2 *c*
69 Sherman, Passaic, N. J.
Sanders, B. 2 *c* 62 W. 83
Sandler, W. 2 *s* 76 Orchard
Sapir, E. *ph.* 9 St. Nicholas ave.
Sargeant, Mrs. J. W. 4 t *Whittier*
Satow, W. *pl* 210 Fifth ave.
Saunders, Frank H. 1 *s* Hartley
Savitz, H. E. 1 b *Westfield, N. J.*
Savitz, L. B. 3 b *Westfield, N. J.*
Saxe, B. D. *ph*
College of the City of N. Y.
Sayle, H. R. 2 *m*
138 Manhattan ave.
Sayre, M. F. 4 *s* Livingston
Scales, E. R. 2 b
62 Garrison ave., Jersey City
Schaak, F., Jr. 2 *c* Livingston
Schachtel, E. 4 b *143 W. 16*

Schae, M. 2 *m* 125 W. 155
Schaefer, L. 4 *s* 605 W. 113
Schaeffer, S. 3 *m* 109 E. 88
Schaffer, F. P. 1 *l*
539 Willoughby ave., Bklyn.
Schafhirt, A. Y. 2 *s*
131 Fennimore, Bklyn.
Schapiro, J. S. *pl* 300 Madison
Schaul, J. S. 2 *c* 35 W. 126
Scheib, R. 1 *c* 3430 Park ave.
Schenck, E. 3 t *417 W. 118*
Schermerhorn, A. C. 2 *c* 25 E. 79
Schermerhorn, J. E., Jr. 4 *c* 25 E, 79
Scheuer, H. G. 2 b *521 W. 122*
Scheuer, J. D. 1 *c*
26 Clinton pl., Mt. Vernon
Schiffer, J. 4 t *Whittier*
Schiller, A. N. 4 *m* 136 W. 111
Schlachter, C. E. 2 *s* 59 W. 49
Schlesinger, M. D. 2 b
98 Ashburton ave., Yonkers
Schlass, U. P. S. 3 *l*
100 St. Nicholas ave.
Schlossberg, J. *pl*
1177 Longwood ave.
Schlossman, W. M. 1 *c* 161 E. 106
Schmelzel, C. 1 *c* 18 W. 56
Schmid, A. R. 2 *c* Hotel Majestic
Schmidt, E. G. *f a*
353 Halsey, Bklyn.
Schmueser, C. H. 1 *m*
822 Eagle ave., Bronx
Schnepp, C. F. 1 *s* 203 E. 60
Schomberg P, 3 *c* 264 W. 121
Schonberg, M. 3 *c* 150 Spring
Schoonmaker, H. S. 2 *s* 201 W. 127
Schottland, J. *ph* 30 W. 112
Schradieck, H. E. ph
535 Washington ave., Bklyn.
Schramm, E. 2 *s* 562 W. 141
Schramm, L. E. 3 t *523 W. 123*
Schreiber, W. 4 *c* 140 Lewis
Schrenk, T. V. 2 *s*
140 East End ave.
Schrenkeisen, F. G. 1 *c* 294 W. 92
Schuldenfrei, L. *pl*
1845 Seventh ave.
Schulemann, E. A. 1 b
160 Harrison ave., Jersey City
Schuler, J. *ph*
45 S. Sixth ave., Mt. Vernon
Schultz, H. S. 2 *c* 81 Morningside
Schulz, J. G. 1 *m*
9 Madison, Mt. Vernon
Schutz, M. E. ph 678 Carroll, Bklyn.
Schwanefludel, C. A. *nm s*
898 Tenth ave., Long Island City
Schwarte, J. J. 1 b *351 W. 45*
Schwartz, Frank 3 *l*
126 Bronx Park ave.
Schwartz, L. H. 4 *m*
1123 Park ave.
Schwarz, H. F. *ph* 20 E. 61
Schwarz, J. O. 2 *s* 1038 Fifth ave.
Schwarz, R. 2 *s* 312 W. 99
Schwarz, W. M. 4 *c* 312 W. 99
Schwed, H. 3 *l* Livingston
Schweiger, G. V. 4 t
1046 Jackson ave., Bronx
Schweikart, E. M. 1 b
35 Vernon ave., Long Island
Scott, G. W. A. 1 *c* 15 E. 229
Scott, T. K. 2 *s* 361 W. 121
Scovil, C. B. 2 *c* 419 W. 115
Seabury, H. M. *f a* 417 W. 117
Seaver, F. J. 3090 Decatur ave.
Sedgwick, A. E. 4 *s* 617 W. 135
Seelig, A. E. 4 *s* 1236 Madison ave.
Seglin, G. M. 2 *c*
581 Boulevard, Bayonne, N. J.
Seguine, E. C. 1 b
Rosebank, Staten Island
Sedenberg, A. 2 *s* 24 E. 99
Seidenberg, R. *f a* 24 E. 99
Seiler, O. P. *c*
110 Montclair ave., Newark
Sellow, W. H. 2 *c* 78 E. 79
Selvage, N. 1 *c*
14 Osborne Terrace, Newark
Senel, A. L. 1 *s* Pocantico Hills
Serhey, B. 3 *s* Pocantico Hills
Seward, F. A. 4 t
849 St. Nicholas ave.
Seymour, L. 4 t *Whittier*
Seymour, R. B. 1 *c*
689 President, Bklyn.
Shakin, V. 2 *s* 1020 Stebbins ave.
Shale, B. B. 2 b 955 West End ave.
Shapinsky, A. T. 4 *c* 144 W. 111
Shapiro, D. I. 3 *l* 16 W. 115
Shapiro, L. M. 2 *l* 16 W. 115
Shapiro, R. 4 *c* 326 W. 113
Sharlitt, M. *gr t* 121 W. 114
Shaw, A. G. 1 b *521 W. 122*
Shaw, E. L. 1 b *411 W. 145*
Shaw, F. W. 2 *l* Hartley
Shaw, J. M. 1 *c*
Reynolds Terrace, Orange, N. J.
Shaw, R. C. 2 t *Whittier*
Sheaman, W. H. 3 *s*
771 Madison ave.
Sheehan, P. 1 *l* Hartley
Sheinman, L. 1 *c* 12 Jefferson
Shelton, W. B. 1 *l* 51 E. 29

Sherman, D. 3 t Teachers College
Sherman, L. F. ph Peekskill, N. Y.
Sherrick, M. W. t 500 W. 121
Shimmon, A. S. 3 *c* Hartley
Shoenfeld, H. F. 1 *c* Hartley
Shoninger, H. 4 b 27 W. 89
Shorey, C. E. 2 *l* Hartley
Shuart, C. ph 419 W. 118
Shumway, R. W. 3 *s* Livingston
Sibbel, A. J. 3 *m*
1749 Topping ave.
Sicher, D. F. 1 *l* 533 W. 149
Siegel, A. B. 2 *l* 24 W. 94
Siegel, M. E. *gr t* Tottenville, S. I.
Silbernagel, A. L. 1 b 60 W. 96
Silbernagel, L. 2 b 60 W. 96
Sillcox, C. M. 3 b 527 W. 121
Silleck, W. M. 3 *m* 19 W. 122
Silverman, H. *ph* 171 E. 81
Silverman, S. 1 b 45 E. 75
Simmons, M. P. 4 t
46 Park ave., Yonkers
Simon, C. C. 2 *c* 113 W. 103
Simon, E. J. 2 *s*
16 Jerome ave., Arverne, N. Y.
Simon, H. 1 *c* 22 Mt. Morris ave.
Simons, I. 3 *m* 135 W. 58
Simonton, C. M. gr t Whittier
Simpson, E. 1 *l* 1831 Seventh ave.
Sinsabaugh, M. M. 3 t Whittier
Sitterly, E. F. *ph*
Drew Settlement, 7
Skillman, V. *s*
195 N. 18, E. Orange, N. J.
Skinner, E. L. 3 t Whittier
Skinner, H. C. 2 *c*
2766 Briggs ave., Bedford Park
Skinner, R. W., Jr. 1 *l*
200 Lafayette ave., Bklyn.
Skutch, Ira, 3 *c*
998 Sterling pl., Bklyn.
Slade, H. E. 2 *s* 501 W. 122
Slaughter, Wm. H. 4 *m*
373 State, Bklyn.
Slawter, R. D. 1 b
46 W. 4, Mt. Vernon
Sloane, F. J. 3 *m* 105 E. 69
Sloane, C. O'C. 2 *s*
55 Montrose ave., S. Orange, N. J.
Sloane, J. E. 3 *c*
55 Montrose ave., S. Orange, N. J.
Small, N. G. 4 t Whittier
Smart, E. A. 3 t
72 Early, Morristown, N. J.
Smead, H. B. 1 *s* 306 W. 109
Smedley A. E. 3 t Whittier
Smith, A. J. 2 *s* Livingston
Smith, B. H. 4 t
10 Bell pl., Yonkers
Smith, C. E. 4 b
10 Riker ave., Woodside
Smith, C. F. 3 *t* 184 Eldridge
Smith, D. F. 2 b 521 W. 122
Smith, E. 2 b
122 Washington, Mount Vernon
Smith, E. P. 1 *c* Hartley
Smith, F. C. 2 *m*
102 Monroe, Bklyn.
Smith, G. 1 *c* Orange, N. J.
Smith, G. M. 3 t Whittier
Smith, H. 4 t
214 Woodworth ave., Yonkers
Smith, H. R. 4 *s*
122 Park pl., Bklyn.
Smith, K. A. 3 b 107 W. 86
Smith, L. gr t 1266 Amsterdam ave.
Smith, M. C. 3 b
124 Midland ave., Bloomfield, N.J.
Smith, M. C., Jr. 3 *s* 157 W. 119
Smith, M. DeF. 2 *c*
25 Madison, ave.
Smith, P. *pl* 419 W. 118
Smith, V. K. 3 t 404 W. 124
Smith, W. ph 419 W. 118
Smith, W. M. 4 *m* 118 W. 64
Smithers, A. E. 1 b 425 W. 144
Smithers, F. 2 *c* 425 W. 144
Smithers, H. G. 2 b 425 W. 144
Smythe, R. H. 2 *c*
123 Amity, Bklyn.
Snevily, H. M. 3 *c*
902 West End ave.
Snodgrass, O. W. *pl*
51 Hillyer, Orange, N. J.
Snook, C. P. 3 *s* 565 W. 113
Snook, T. E., Jr. 1 *s*
126 Macon, Bklyn.
Snowden, Mrs. A. E. ph 420 W. 121
Snyder, B. L. 4 *t* 143 W. 140
Snyder, H. H. 2 *s* 306 W. 109
Snyder, T. E. 4 *c* Hartley
Solomon, I. L. 1 *m* 20 W. 120
Solomon, J. *l* 371 Grand
Solomon, M. 4 *c* 24 E. 113
Soper, A. E. 4 *m*
Soper, W. B. 3 *m* 527 Madison ave.
Soule, E. W. 1 *s* 2020 Walton ave.
Spalding, L. F. 1 b
18 Woodland ave., New Rochelle
Spalding, L. H. 2 *s* 18 Woodland ave., New Rochelle, N. Y.
Speck, F. G. *ph* Hackensack, N. J.
Speller, M. I. 4 t 505 W. 122
Spelman, H. T. 4 *m*

Spencer, C. B. 4 *c*
1124 Tinton ave., Bronx
Spiegel, A. F. 1 *l*
887 West End ave.
Spingler, A. 3 t *Whittier*
Spitz, E. F. 1 *l*
265 Kosciusko, Bklyn.
Sprague, W. B. 1 *l*
333 Sanford ave., Flushing, L. I.
Springer, G. L. 4 t *Whittier*
Spring, A. 1 *s* 126 W. 118
Squier, C. B. *nm c* 140 W. 69
Stableford, R. G., Jr. 1 *c*
8 Poplar, Bklyn.
Stafford, J. A. 1 *m*
417 Main, Paterson, N. J.
Stafford, R. W. 1 *s* 306 W. 137
Stagg, H. J., Jr. 2 *s*
428 Central Park West
Stahl, G. F. *gr. t*
2804 Pond pl., Bronx
Stair, B. W. *ph* Hartley
Stanley, E. O., Jr. 1 *l*
E. Orange, N. J.
Stanley, L. gr t *Whittier*
Starbuck, W. L. 3 *s* 614 W. 113
Stark, M. B. 2 b
29 Washington Terrace, E. Orange
Stayton, J. W. 3 *c*
61 Locust Hill ave., Yonkers
Steel, M. *p* Livingston
Steele, A. T. 3 t *Whittier*
Steele, E. 4 t
192 Bloomfield ave., Passaic, N. J.
Stehl, H. J. 1 *m* 150 E. 40
Stein, G. R. 3 b 292 Manhattan ave.
Steinberg, P. 3 b
541 Monroe ave., Elizabeth, N. J.
Steiner, A. M. 4 t 443 Sixth, Bklyn.
Steiner, J. 2 *c* 40 Clay, Newark
Steiner, S. H. 2 *m* 67 W. 183
Steinert, J. B. 4 *t* 435 W. 123
Steinfeld, G. 4 *c* 22 E. 93
Steinman, D. B. 2 *s* 625 E. 5
Steinmetz, F. C. 2 *c* 352 W. 19
Steinschneider, W. 1 *s*
1609 Morris ave.
Steitz, A. *ph*
1738 Greene ave., Bklyn.
Stephens, M. M. 3 t *Whittier*
Stephenson, R. W. 1 *c* 60 W. 76
Sterritt, J. E. 1 *c*
Stetler, M. E. 1 b
West Nyack, N. Y.
Stettiner, L 2 b *311 W. 101*
Stevens, R. gr t *Whittier*
Stevens, W. M. 3 *l*
Stevenson, R. *p* 2881 Bway.
Stewart, C. A. *p* 259 W. 11
Stickles, L. 1 *c*
957 Broad, Newark
St. John, F. B. 2 *m*
Stiggins, S. J. 1 *l* Livingston
Stillman, A., 2nd 4 *m* 35 E. 39
Stillman, A. L. 1 *s*
532 River, Hoboken
Stillman, R. G. 4 *m* 363 W. 57
Stinson, T. W. 4 *s* 301 W. 91
Stix, L. C. 3 *s* 496 West End ave.
Stock, J. W. 3 *c* 2710 Decatur ave.
Stockly, H. A. 2 *s* 419 W. 115
Stoddard, O. S. 3 *t* 501 W. 122
Stoiber, H. A. 1 *s* Livingston
Stork, V. E. 2 *m* Hartley
Stowell, R. K. 3 b *521 W. 122*
Strasburger, A. 2 *c* 66 E. 66
Strauss, M. J. 3 b *70 W. 69*
Strecker, C. L. *pl* Madison, N. J.
Streeter, D. D., Jr. 2 *c* Livingston
Strobel, R. L. *nm s* Livingston
Strong, A. McI. 3 *m* 250 W. 82
Strong, S. P. 4 t *Whittier*
Strope, A. 3 t *160 E. 94*
Struthers, H. H. 2 *s* 1 W. 132
Stryker, L. M. 1 b
9 Lake, White Plains
Stuart, D. C. *ph*
1161 Amsterdam ave.
Stuckey, L. *gr. t*
1288 Amsterdam ave.
Study, Geo. W. 2 *l* Livingston
Stuhrman, E. A. 4 *s*
299-10, Bklyn.
Sturtevant, M. G. 3 *m* 41 W. 82
Sturtevant, W. P. 1 *l* 306 W. 109
Suarez, E. R. 2 *s* Livingston
Suffern, A. E. 3 *t* 711 E. 164
Sugarman, M. H. *f a*
1648 Madison ave.
Sullivan, A. G. 2 *m* 243 W. 56
Sullivan, R. P. A. 4 *m*
74 McDonough, Bklyn.
Sundheimer, A. I. 4 *s* 234 W. 137
Susman, H. M. *nm c* 622 W. 114
Sutherland, Mrs. M. R. 4 t
295 Highland Boulevard, Bklyn.
Sutton, W. S. 4 *m* 325 W. 58
Suydam, S. M. 3 t
Ridgefield, New Jersey
Swain, P. L. 1 *l* Livingston
Swartwout, E. W. 3 *s* Scarsdale
Swartwout, F. R. 3 *c* 558 W. 113
Sweeney, J. C. *l* Livingston
Sweeney, M. M. 1 *m* 318 W. 23

Swenson, M. E. 2 b
27 Jaegar ave., Flushing, L. I.
Swick, D. A. *m*
1683 Lexington ave.
Swift, P. E. 1 *m*
95 Winthrop, Bklyn.
Swing, E. D. 3 t *Whittier*
Swords, A. T. 4 *c*
1390 Prospect ave.
Syverson, T. S. 3 *s* 605 W. 113

Tachna, M. 4 *c* 35 W. 111
Taff, P. 2 *c* 251 E. Bway.
Taft, T. K. 4 *s* 605 W. 113
Tallant, J. D. 2 *s* Livingston
Tallman, L. ph
46 Chestnut, East Orange, N. J.
Talmage, S. A. 4 t *523 W. 123*
Talpey, E. M. 2 b *520 W. 123*
Tanaka, A. *pl* Hartley
Tannahill, S. B. 3 t
Teachers College
Tannenbaum, S. Wm. 1 *c* 58 E. 123
Tarbell, F. W. 3 *m* 154 W. 65
Tattershall, L. M. 3 b *Whittier*
Taylor, C. E. *p* Hartley
Taylor, C. G. 4 *m* 430 W. 118
Taylor, E. C. *f a* 544 W. 113
Taylor, F. R. 2 *c* 429 W. 117
Taylor, H. B. *p*
902 West End ave.
Taylor, H. W. 2 *c* 156 E. 38
Taylor, J. A. 3 *l* 523 W. 123
Taylor, J. H. 4 *c* 67 W. 106
Taylor, L. A. 3 t *Whittier*
Taylor, R. M. 4 *s* 122 W. 133
Taylor, S. G. 1 *c* 334 W. 85
Terriberry, W. K. 4 *m* 424 W. 57
Terry, A. H., Jr. 1 *m*
Thayer, Wm. M. 4 *t*
1288 Amsterdam ave.
Thomas, D. 3 t *Whittier*
Thomas, D. *pl*
Union Theological Seminary
Thomas, H. A. 3 *s* 430 W. 116
Thomas, P. B. *nm c* 430 W. 116
Thompson, C. M. pl *Whittier*
Thompson, E. C. 2 *s*
304 State, Bklyn.
Thompson, H. F. 2 t
89 North Broadway, Yonkers
Thompson, L. I. 2 b *103 W. 128*
Thompson, M. M. 2 *s* 166 W. 97
Thompson, O 1 b *163 W. 105*
Thomson, E. S. nm b *Whittier*
Thomson, J. L. 3 t
Highwood, New Jersey
Thorne, F. 3 *t* 511 W. 135
Thorne, N. 1 b
418 St. Nicholas ave.
Thornton, A. E., Jr. 1 *l*
Livingston
Thurber, C. ph
49 Sidney, pl., Bklyn.
Thurston, Edw., Jr. 4 *s* 531 W. 113
Tibbits, M. E. 3 b
213 Temple, Astoria, L. I.
Tiffany, J. de F. b *27 E. 72*
Tiffany, L. C. b *27 E. 72*
Tillson, B. F. 4 *s* 619 W. 113
Tobias, D. F. 1 *s* 132 W. 126
Todd, H. C. 1 *c* Hartley
Tomkiens, J. S. special *m*
Tompkins, A. 4 t *Whittier*
Tompkins, G. B. 3 *m*
Tonking, W. W. 2 *s* 605 W. 113
Tooker, N. B. 1 *m*
Torrent, L. L. 3 *t* Hartley
Tortora, A. 2 *c* 315 E. 53
Touart, M. DeM 3 *m* 1243 W. 56
Townsend, C. 3 t *Whittier*
Townsend, E. 3 t *Whittier*
Townsend, E. B. *c* Hartley
Townsend, H. H. 1 *s* 146 W. 111
Tracy, H. A. 4 b
Richmond Hill, L. I.
Traitel, L. 3 b *58 W. 95*
Travis, A. C. 2 *l*
The Florham, 256 W. 97
Travis, C. M. 1 *l*
146 Quincy, Bklyn.
Trebein, B. E. ph *503 W. 121*
Tredwell, E. A. S. T. 3 b 71 W. 107
Tripp, L. E. 3 t *370 W. 120*
Tripp, W. A. 2 *c*
103 Monroe, Bklyn.
Trosk, C. 1 *l*
1631 Eighth ave., Bklyn.
Trotter, J. P. 4 *m*
189 Warburton ave., Yonkers
Trottier, T. 2 t *501 W. 123*
Troy, L. L. 3 t *120 W. 109*
True, D. 4 b *328 W. 83*
Tuchmann, A. 3 *c* 152 E. 79
Tucker, R. B. 3 *s* 413 W. 117
Tufts, E. M. 4 t *Whittier*
Tupper, A. G. 1 *s*
79 Chestnut, E. Orange, N. J.
Turnbull, A. G. 3 b Tuckahoe, N. Y.
Turnbull, G. C. 4 b
27 Burnett, East Orange, N. J.
Turnbull, L. S. 2 b Tuckahoe, N. Y.
Turner, P. A. 3 *m* 243 W. 56
Turpin, A. E. 2 *c* 150-18, Bklyn.

Turrell, H. P. 1 *c*
64 Edgcombe ave.
Tuthill, B. C. 2 *c* 176 W. 86
Tweddell, F. 4 *m* 305 W. 97
Tynan, J. L. *ph*
Audubon Park, W. 155

Ulanov, Nathan *music, f a*
1771 Madison ave.
Ulmann, Aug., Jr. 3 *s* 132 W. 71
Ulmann, E. A. *nm s* 132 W. 71
Underwood, A. 2 b
10 Stephens, Belleville, N. J.
Updegraff, H. *gr. t* 523 W. 123
Utley, F. B. 4 *m* 328 W. 56
Utsumi, S. 4 *t*
care Mr. Lessing, 520 W. 123
Utter, G. L. gr t
1067 Prospect pl., Bklyn.
Utter, H. E. 1 *m* 345 W. 58

Vail, E. 3 t *524 W. 123*
Vail, R. B. 3 *m* 185 Stenten, Bklyn.
Valentine, F. E. t
790 Greene ave., Bklyn.
Valentine, M. 4 b *521 W. 122*
Van Anda, J. B. 1 b
Riverside Drive & 72
Van Cleef, F. C. 3 *l* Earl Hall
Van Etten, R. C. 1 *m* 345 W. 58
Van Kirk, A. E. nm t *401 W. 117*
Van Kleeck, E. 1 *c* 4 W. 123
Van Kleeck, M. A. pl *360 W. 21*
Van Nostrand, N. W. 3 *l* 139 W. 85
Van Tine, A. A. 3 *c* 127 W. 11
Van Vosbourgh, L. M. nm t
406 W. 124
Vanderbilt, S. B. 3 t *218 W. 104*
Vanderburgh, F. A. *ph*
53 Washington sq.
Vasquez, J. M. 1 *c* 11 Bway.
Vaughan, J. C. 4 *m*
295 Verona ave.
Vazakas, A. A. *ph.* 41 E. 69
Vedder, F. H. 2 *l* Livingston
Vehslage, H. E. 4 *c* 136 W. 70
Veith, H. I. 3 b
1081 Washington ave. Bronx
Ver Planck, G. A. 2 b
White Plains, N. Y.
Very, E. 4 t *Whittier*
di Verrano, R. de M. *ph*
1391 Madison ave.
Vincent, H. G. 1 *l* Hartley
Vogel, H. *music, f a* 51 E. 129
von Malmborg, C. A. 2 *s*
364 W. 116
von Muffling, E. A. 1 *s*
974 E. 19, W. Flatbush, L. I.
von Saal, R. E. 1 *c*
251 Rich ave., Mt. Vernon
von Saltza, P. W. 2 *s* Havemeyer
Voskamp, J. A. 1 *s* 167 E. 75
Vulté, G. P. 2 *s*
33 Park ave., New Rochelle

Wachner, E. M. 1 *c* 58 W. 105
Wade, S. F. 2 *m* 358 W. 58
Wadelton, N. L. 1 b
Bronxville, N. Y.
Wadsworth, E. J. 4 t *543 W. 121*
Wagner, H. J. 1 *c* Hartley
Wagner, J. A. 1 b *236 E. 31*
Walbridge, D. H. 4 *c* 355 W. 20
Waldman, A. L. *c* 168 W. 78
Waldron, J. L. 4 *s* Livingston
Walker, M. B. 4 b *464 W. 145*
Walker, R. 1 *m* 133 W. 64
Wall, J. P. 4 *m* 166 W. 64
Wall, W. B. 1 *s* 509 W. 142
Wallach, K. R. 3 *l* 53 E. 80
Wallenstein, C. A. 4 *m*
160 Harrison ave., Bklyn.
Walsh, C. J. 3 *c*
209 Prospect, ave., Bklyn.
Walter, M. V. 4 t *440 E. 57*
Walters, R. E. 1 *s* 524 W. 123
Walther, J. W. 2 *m*
431 Hopkins ave., Astoria, L. I.
Walton, G. A. *ph* 72 W. 108
Walton, Mrs. S. T. ph *127 W. 58*
Wand, M. P. 2 t
Hastings-on-Hudson, N. Y.
Ward, H. C. 2 *m* 328 W. 56
Wardell, L. M. 4 b *19 W. 84*
Wardell, W. S., Jr. 2 *c*
25 Waverly pl., Orange, N. J.
Wardlaw, F. A., Jr. 1 *s*
Thomaston, L. I.
Wardlaw, J. B. 4 t *Whittier*
Wardner, D. M. 2 *m*
Pelham Manor
Ware, F. 3 *c* 608 W. 113
Waring, A. J. 3 *m*
527 Madison ave.
Waring, R. A. 2 t *336 E. 17*
Warren, E. L 1 *m* Hartley
Warren, G. H., Jr. 1 *c*
924 Fifth ave.
Warth, A. H. 4 *s* Stapleton, N. Y.
Washington, H. J. L. 1 *s*
141 Riverside Drive
Waters, A. W. 3 t *418 W. 118*
Watson, M. D. 2 *c* 159 Ninth ave.

Weaver, A. ph *315 W. 97*
Webb, C. R. 4 *c* 48 Woodland ave., Glen Ridge, N. J.
Webb, E. G. 3 t *510 W. 124*
Webb, R. D. 1 *c* 248 W. 102
Webster, D. H. 1 *m* 308 Madison ave.
Webster, L. S. 1 *s* 1453 Lexington ave.
Wechsler, L. A. 4 *c* 122 W. 85
Weed, D. V., Jr. 1 *s* 451 W. 162
Weeks, F. L. 3 t *154 De Bevoise ave., L. I. C.*
Weeks, W. W. 1 *c* 46 E. 57
Weiher, H. A. *f a* 76 E. 86
Weil, E. I. ph *605 W. 115*
Weil, J. 2 *l* 224 E. 60
Weingart, J. S. 1 *m* 2041 Seventh ave.
Weingarten, F. S. 4 *m* 678 E. 140
Weinig, A. J. 3 *c* 717 Seventh ave.
Weinstein, D. 2 *c* 1342-51 Bklyn.
Weinstein, ~ 1 *s* 968 Westchester ave.
Weinstein, M. 1 b *521 W. 122*
Weinstein, M. 3 *l* 121 Williams ave., Bklyn.
Weis, I. L. 1 *s* 81 & Madison ave.
Welch, E. W. 1 *s*
Welch, F. F. nm t *Whittier*
Wellington, H. W. 1 *s* 544 W. 113
Wells, G. 3 b *124 W. 77*
Wells, G. F. 4 *t* Hartley
Wells, H. E. 2 b *Keyport, N. J.*
Wells, J. D. 1 *l*
Wells, L. N. D. *pl* 150 N. 15, E. Orange, N. J.
Welsh, E. W. 4 t *Whittier*
Welsh, J. L. 4 t *Whittier*
Werner, P. C. 1 *c* 18 E. 81
Wessa, A. nm t *417 W. 121*
Wessler, H. 3 *m* 315 E. 58
West, D. 2 *m* 147 W. 63
West, H. J. 3 *s* 170 W. 85
West, J. R. 1 b *552 W. 186*
West, L. B. *c* Livingston
Westaway, L. B. 2 b *803-58, Bklyn.*
Weston, E. G. 2 b *228 W. 141*
Wharton, W. P. *ph* 214 E. 18
Wheeler, J. L. 3 *c* 902 West End ave.
Wheeler, M. 2 *l* Hartley
Wheeler, Wm. H. 1 *s* 453 W. 144
Whipple, A. O. 3 *m* 147 W. 63
Whipple, D. 3 *s* 994 E. 163
Whipps, W. O. 1 *c* Hartley
Whitaker, F. P. *nm l* 629 W. 156
Whitaker, W. A., Jr. *p* 2881 Broadway
White, J. L. 2 *m*
White, M. L. 3 *s* 559 W. 141
White, R. L. 1 *m* Sloatsburg, Rockland Co.
White, W. C. L. 2 *t* 68 Woodbine, Bklyn.
Whitehead, H. S. 1 *m* 27 W. 44
Whiteside, D. G. *ph* 430 W. 118
Whitley, M. T. ph *534 W. 124*
Whitman, W. G. *p* Hartley
Whitney, G. C. 3 *m* 145 W. 61
Whittemore, G. M. 4 t *Whittier*
Wicke, C. 4 *c* 34 E. 68
Wickenden, A. A. 1 7 E. 39
Wiehle, A. S. ~. 2 *s* 306 W. 109
Wiener, H. J. 1 *m* 48 E. 6[illegible]
Wieselthier, M. L. 2 *m* 95 Forsyth
Wiesner, A. 1 b *12 Union ave., Mamaroneck, N. Y.*
Wilcock, L. M. 2 b *862-50, Bklyn.*
Wilcox, P. W. 2 *s* 41 W. 52
Wilcox, W. S. 4 t *Whittier*
Wilder, G. F. *p* 15 Linden ave., Bklyn.
Wilensky, A. O. 4 *m* 134 E. 94
Wildman, H. V., Jr. 1 *c* 108 W. 94
Wilds, R. H. 1 *m* 258 W. 51
Wile, W. D. 1 *c* 332 W. 88
Wilkerson, F. W. 2 *m* 28 W. 61
Wilkes, E. M., 4 b *524 W. 123*
Wilkinson, M. ph *419 W. 118*
Willard, P. D. 4 *s* 614 W. 113
Williams, C. B. 4 t *526 W. 123*
Williams, C. L. 2 *l* 429 W. 117
Williams, E. 2 *i* Hartley
Williams, E. J. 1 *l* Hartley
Williams, H. 1 *s* Livingston
Williams, R. G. 4 *s* 531 W. 113
Williams, T. W. 2 *s* Livingston
Williamson, D. B. 3 *s* 450 W. 153
Williamson, G. 3 *s* 558 W. 113
Willis, B. 2 *c* 565 W. 113
Wills, E. G. 3 t *Whittier*
Wilsey, M. M. 3 t *Whittier*
Wilson, A. T. 3 t *Whittier*
Wilson, E. H. ph *449 W. 123*
Wilson, J. E. 3 *s* 54 Morningside ave.
Wilson, J. S. ph *449 W. 123*
Wilson, M. 3 b *107 Spruce, Newark, N. J.*
Wilson, M. R. 4 t *Whittier*

Wilson, S. M. 4 t 527 W. 124
Wilson, T. A. 1 *s* 262 W. 83
Wilson, W. 3 *s* 149 E. 52
Winchell, C. E. 3 *c* 326 W. 113
Windels, P. W. H. 3 *c*
162 Lee ave., Bklyn.
Windle, A. E. 3 t 500 W. 124
Winkler, C. A. 3 t Whittier
Winslow, W. S. 3 *s* 614 W. 113
Winter, W. E. 3 *t* Teachers College
Winton, R. L. de, 1 *c*
156 Hooper, Bklyn.
Wise, B. D. 4 *c* 154 W. 76
Wise, H. B. 1 b 11 W. 120
Wise, Mrs. J. H. 4 b 50 W. 77
Wise, L. E. 3 *c* 60 W. 85
Wise, W. W. 3 *s*
902 West End ave.
Witmeyer, L. 4 t Whittier
Woarms, E. H. 3 *c* 314 W. 82
Wolbarst, E. S. 1 *c* 24 E. 119
Wolf, F. 2 b 1333 Madison ave.
Wolf, L. J. 4 *c* 2 W. 88
Wolfe, V. L. 3 t 305 W. 75
Wolfersperger, J. J. 3 *s* 531 W. 113
Wolferz, L. E. 3 *c*
497 Hart, Bklyn.
Wolf, F. M. 3 b 15 W. 89
Wolf, J. L. 3 *l* 303 E. 55
Wolff, L. J. 4 *c*
560 Greene ave., Bklyn.
Wolfsohn, E. J. A. 2 *c* 72 E. 82
Wolven, R. I. *nm c*
175 Ninth ave.
Womble, B. S. *nm l* Livingston
Wood, A. E. 1 *c*
224-17, College Point
Wood, A. I. ph 420 W. 118
Wood, C. M. 3 t Whittier
Wood, H. 2 b 103 & Bway.
Wood, J. M., Jr. 3 *c*
162 Cleveland, Bklyn.
Wood, M. C. 4 t 61 E. 25
Wood, T. C. 2 *s* Seventh ave. &
116, Graham Court
Wood, W. L. 3 *c* 38 E. 76
Woodbury, W. B. 3 *c* Hartley
Woodhull, H. 1 b 501 W. 120
Woodhull, M. 2 b 501 W. 120
Woodman, I. L. ph 457 W. 123
Woodman, S. P. 4 b 478 W. 159
Woods, E. B. 4 *m* 118 W. 64
Woods, M. 4 t... 474 State, Bklyn.
Woods, T. H. 4 *m*
46 S. Elliott pl., Bklyn.
Woodson, E. 3 t Whittier
Woodward, S. J. gr t Whittier
Woolsey, C. B. 3 b
Englewood, N. J.
Worcester, J. N. 1 *m*
Wormser, I. M. 1 *l* 19 W. 91
Woticky, C. B. 3 *s* 445 E. 87
Wright, E. H. *ph* Livingston
Wronker, B. M. 2 *m* 261 W. 127
Wyeth, F. S. 2 b 244 Lexington ave.
Wylie, J. D. 2 b 10 W. 96

Yale, D. I. 4 b 521 W. 122
Yates, M. H. 3 b 205 W. 101
Yergason, R. M. 2 *m* 328 W. 56
Yerington, H. H. 3 *m* 231 W. 69
Yokoyumu, Y. *f a* 202 W. 96
Yokel, A. 1 *c* 8 Ave. C
York, J. C. 4 *c* Livingston
Youdin, H. A. 1 *s*
130 So. 9 ave., Bklyn.
Young, A. W. 4 b 521 W. 122
Young, E. D. 4 t 71 E. 96
Young, J. J. 3 *s*
Cooke ave., Elmhurst, L. I.
Young, J. M. 3 b
336 Fenimore, Bklyn.
Young, M. 4 t 526 W. 123

Zelaya, A. 3 *m* 28 W. 61
Zabriskie, G. E. 3 *s*
1201 Broad, Newark
Zach, L. M. 1 *s* 108 Henry
Zangler, E. C. 3 b
Croton-on-Hudson
Zeitlin, J. *ph* 2101 Eighth ave.
Zipris, V. V. 1 *c* 162 E. Bway.
Zimmermann, H. B. 2 *m* Hartley
Zink, O. *f a*
108 Tinton ave., Bronx
Zogbaum, F. 1 *s* 125 W. 87
Zucker, Henry E. *music, f a*
216 E. 7
Zumbro, W. M. *gr. t* Livingston

SUPPLEMENTARY DIRECTORY

LIST OF STUDENTS REGISTERING AFTER OCTOBER 1, 1906

Abernathy, T. M. gr. t *Whittier*
Abrams, E. M. gr. t *26 Jones*
Abinatani, J. *pl* 415 W. 115
Adams, C. W. *f a*
2372 Seventh ave.
Adams, R. A. *pl*
16 St. Nicholas pl.
Adler, E. H. gr. t *152 W. 77*
Albright, V. E. *ph* Livingston
Alexander, L. H. *ph* 602 W. 146
Allen, E. B. 3 t *605 W. 115*
Allison, G. D. *pl* 700 Park ave.
Allis, M. L. pl *Whittier*
Almazán, T. A. V. 2 *m* 137 W. 61
Anano, S. I. *pl* 124 W. 80
Andrews, R. M. *p* 3603 Bway.
Ashton, M. H. 1 *c* 619 W. 113
Atwater, J. C. *p*
833 Eastern Parkway, Bklyn.
Autenrieth, G. C. *p*
941 Dawson, Bronx

Bachrach, S. *pl* 154 W. 123
Baer, H. S. V. 1 *c* Hartley
Baglev. J. 3 t *Whittier*
Bailly, E. C. *pl* Hartley
Baker, E. R. pl *418 W. 118*
Beker, M. E. 3 t
Closter, Bergen Co., N. Y.
Baldwin, F. T. *ph* *417 W. 118*
Baldwin, A. P. *gr t*
431 Riverside Drive
Baldwin, F. W., Jr. *pl* 414 W. 118
Barker, W. H. 2 *c*
210 Rodney, Bklyn.
Barney, M. I. 4 t
57 Hillyer, Orange, N. J.
Bartlett, D. A. *p* 507 W. 112
Bates, E. S. *ph* 521 W. 135
Bates, Mrs. F. F. ph *521 W. 135*
Bauer, J. H. *gr* 240 W. 120
Bancker, M. C. ph *20 W. 104*
Bauman, E. N. *p.* Madison, N. J.
Bauman, A. *ph.* Madison, N. J.
Bauman, E. *ph* Maidson, N. J.
Beeckman, F. L. pl *141 W. 104*
Becker, G. J. *ph* 700 Park ave.
Beha, J. L. *ph* 171 W. 95
Belinkoff, S. 1 *c*
120 W. 20, Bayonne, N. J.
Bennett, R. C. *nm l* Livingston
Benson, S. C. 4 *c* 700 Park ave.
Berg, H. Van B. 2 *c*
34 Gramercy Park
Berry, H. B. 4 *t* 350 W. 120
Berry, E. H. p *560 W. 113*
Bigelow, L. E. 4 t *7 W. Eighth*
Bildersee, I. *p* 213 W. 105
Bissell, C. Y. *f a* 607 W. 113
Blank, M. I. *ph* 42 W. 115
Bliss, N. E. 1 *s* Livingston
Bliss, R. P. *p*
526 Flatbush, ave., Bklyn.
Blodgett, F. B. *ph* 175 Ninth ave.
Blow, G. A. 2 *s* Livingston
Blume, J. *ph* 511 W. 139
Boeck, P. A. 3 *s* Hartley
Bogert, C. R. ph
189 S. Oxford, Bklyn.
Bok, C. S. *pl* 150 W. 121
Bollert, M. L. ph *Whittier*
Bolles, F. N. 4 *c* 417 W. 117
Bonnell, W. S. 700 Park ave.
Bowers, L. B. *pl* 241 W. 134
Bradford, A. H. *pl* 700 Park ave.
Brennan, W. J. 4 *c* 2 W. 75
Brewer, A. T. 3 t *Milburn, N. J.*
Brewster, J. A. *ph* Bway. & 77
Brewster, C. W. ph
Englewood, N. J.
Brodsey, B. *pl* 113 W. 84
Bronson, B. S. 3 *c* 516 W. 148
Brown B. t
223 S. Fifth ave., Mt. Vernon
Brown, J. S., Jr. *gr t* 47 W. 66
Brown, M. F. 3 t *Whittier*
Brown, Warner *ph* Hartley
Browne, E. N. p *Whittier*
Browne, M. E. p
1539 Pacific, Bklyn.
Brown-Serman, S *ph*
175 Ninth ave.
Browne, T. Q., Jr. *gr t*
Morristown, N. J.
Brownell, E. G. 3 *m* 243 W. 56
Brummer, S. D. *pl.*
1356 Madison ave.
Bryan, F. J. *gr t* 478-3, Bklyn.
Buffett, B. R. 2 *l* Livingston
Bull, G. H. 3 *c* 40 E. 40

Burdick, M. G. gr t
4 Harrison, Stapleton, S. I.
Burlingham, G. S. p 2776 Decatur ave., Bedford Park, N. Y.
Burlingham, G. S. *p*
N. Y. Botanical Garden
Burruss, J. A. *gr t* Livingston
Butler, M. F. *nm s* 1039 E. 169

Caldwell, R. M. *ph* 353 W. 119
Campbell, G. B. pl. *17 W. 44*
Campbell, M. A. gr t
467 Bergen ave., Jersey City
Cantrell, L. M. *ol* Hartley
Carmichael, C. 2 *c* 306 W. 109
Carris, L. H. *gr t* Newark, N. J.
Carson, L. *ph*
Carter, P. 1 *s* 310 W. 115
Cassebeer, W. H. *f a* Hartley
Chapin, R. C. *pl* 419 W. 118
Chapman, F. B. *f a* 627 W. 155
Chappell, W. C. *pl* 231 E. 76
Clare, J. L. 2 *l* 5 W. 122
Clark, T. F. 2 *l* 54 E. 54
Clark, A. L. 3 Livingston
Clark, F. H. 4 *s* 616 W. 113
Clarkson, W. T. *pl* 268 W. 57
Coe, M. S. p *42 W. 52*
Cohen, H. L. ph *38 W. 93*
Cohen, L. E. f a
353 Central Park West
Coker, F. W. *pl* Livingston
Coleman, A. A. ph
Pelham Manor, N. Y.
Coleman, J. G. *gr t*
617 Bloomfield, Hoboken
Collins, E. T. 4 *c* 413 W. 117
Colton, H. E. 1 *l* 511 W. 122
Combes, A. C., Jr. 4 *c*
20 Elmhurst ave., Elmhurst, L. I.
Comin, R. *pl*
Beech Hill, Richmond, L. I.
Cominsky, G. E. p
96 Lincoln pl., Bklyn.
Comstock, C. A. 3 t *4 W. 92*
Comstock, G. F. 4 *c*
120 Riverside Drive
Connell, J. W. *ph*
158 Main, New Rochelle
Cooley, W. F. *ph* 246 W. 112
Corcoran, C. A. *p* 81 Bedford
Corson, L. *ph* Hartley
Corson, L. *ph*
Craig, P. G. *ph* Livingston
Crane, T. H. 3 *c*
902 West End ave.
Croker, J. C. 3 *t* 97 Clark, Bklyn.
Crimeau, J. J., Jr. 1 *l* 524 W. 125
Criswell, N. J. ph *Whittier*
Cross, J. B. 4 *m* 351 W. 57
Curtis, C. A. pl.
46 S. Oxford, Bklyn.
Cowie, R. *f a* Livingston

Dailey, F. A. 4 t
138 Engle, Englewood, N. J.
Danforth, C. R. 1 *c* 158 W. 86
Danielson, C. 4 *t* 15 W. 131
Darby, W. L. *pl* 700 Park ave.
Davies, T. *pl*
General Theological Seminary
Davis, D. W. *p*
Jansen ave., Kingsbridge
Davis, D. W. ph *7 W. 113*
Davis, R. *pl* 700 Park ave.
Davis, W. W. *pl* Hartley
Dawkins, S. M. 1 *l* Livingston
Day, M. M. *ph*
General Theological Seminary
Dean, H. C. *f a* 12 W. 107
Deane, E. R. 1 *c* 403 W. 107
DeGrange, McQ. *ph* 249 W. 123
Demcott, O. M. *pl* 700 Park ave.
Diehl, F. *ph* 700 Park ave.
Dodd, F. F. *gr t*
15 Wadsworth ave.
Dodge, W. H. *pl* 315 Bway.
Dolgenas, J. A. *ph*
1680 Madison ave.
Dooley, W. T. F. *ph* 135 E. 96
Dorsey, E. R. *pl* Livingston
Doty, K. S. pl *553 W. 141*
Driehaus, I. W. *gr t* Livingston
Drummund, C. D. *pl*
175 Ninth ave.
Dudley, L. E. 3*m* 44. W. 64

Edelblute, L. A. *ph* Chelsea sq.
Edgell, F. D. *p*
665 Westminster rd., Bklyn.
Eisenmann, M. J. *pl* 451 E. 84
Elkus, S. A. ph *307 W. 98*
Ellis, F. E. *nm l* Hartley
Emmett, A. D. *p* 139 E. 16
Espinosa, A. 4 *m* 337 W. 58

Fabian, F. G. 4 *s* 429 W. 117
Ferris, P. P. *ph*
Fichandler, A. *pl* 134 E. 101
Fischgrind, M. L. *ph* 160 E. 94
Fitch, G. A. *p* 700 Park ave.
Fitzpatrick, E. A. *gr t* 69 Pike
Focht, Mildred, ph
Garden City, L. I.

Fonts, A., Jr. *f a* 210 W. 107
Fosdick, H. E. *pl* Montclair, N. J.
Foster, W. E. *ph* 51 E. 97
Fowler, R. L., Jr. 2 *c* 26 W. 10
Fowler, S. ph *420 W. 118*
Francis, W. C. *f a* 511 W. 122
Franzen, B *ph* 364 W. 116
Frank, A. 2 *l* Livingston
Freidenrich, E. nm t Hotel Colonial, *Cor. 81 & Columbus ave.*
Friedman, H. G. *pl.* 524 W. 123
Frishe, H. 3 t *619 W. 114*
Froeberg, S. *ph* 400 W. 124
Frost, J. M. *ph* 79 Willett

Gallatin, G. 2 *l* 444 Madison ave.
Galloway, I. G. pl *220 W. 107*
Gallup, J. A. 4 t. *26 Jones*
Gano, L. E. pl *526 W. 114*
Garvin, J. L. *pl* 1292 Amsterdam ave.
Genin, M. J. 2 t *315 W. 83*
Gilbert, J. H. *pl* 280 W. 115
Gilbert, M. W. *ph* 165 W. 53
Giles, J. R. *ph* 36 W. 17
Giltner, E. E. *gr t* 226 W. 114
Golderg, S. I. *p* 95 Pitt
Goldenweiser, A. A. *ph* 1479 Washington ave., Bronx
Goldthwait, C. O. ph *511 W. 122*
Goldthwaite, N. E. gr. t *Whittier*
Goldwasser, D. *gr t* 143 W. 111
Gollomb, J. *ph* 126 E. 103
Goodbody, 3 *l*
Goodall, H. D. 417 W. 121
Goodriend, H. 1 *m* 243 E. 72
Graf, B. ph *528 Ninth, Bklyn.*
Grant, R. A. *p* 1031 Macey pl., Bronx
Green, T. *ph* 530 W. 124
Green, H. C. *pl* 419 W. 118
Greenberg, A. B. *f a* 5 E. 115
Greenwood, J., Jr. special *m* 245 E. 19
Gregory, L. H. p *Whittier*

Hadley, C. pl *Whittier*
Hahn, C. W. *p* 15 Wadsworth ave.
Haight, J. McV. 4 *c* 116 & Riverside Drive
Hainman, E. ph *238 W. 122*
Hall, W. P. *pl*
Hard, S. 3 *s* 417 W. 117
Harrington M. R. *c* 523 W. 121
Haskell, A. ph *521 W. 122*
Hatton, R. 85 Washington pl.
Hawes, L. F. S. 4 *c* 13 Leland ave., New Rochelle
Hawley, G. *f a* Tarrytown, N. Y.
Henriques, M. C. *p* 505 W. 141
Henry, J. M. *ph* 700 Park ave.
Hentz, H. F. *f a* Livingston
Herring, J. P. *pl* 700 Park ave.
Herrmann, A. 3 *c* 234 E. 72
Herrmann, S. ph *147 W. 103*
Herrmann, H. t *58 E. 124*
Herzfeld, M. G. 3 *c* 210 W. 128
Hevesh, J. *ph* 531 W. 123
Heydrick, B. A. *gr t* 906 Summit ave.
Heynich, R. O. *ph* 1056 Bway. Bklyn.
Hildreth, W. W. 1 *m* 345 W. 58
Hill, M. A. pl *446 E. 72*
Hinman, E., Jr. 1 *c* 110 Remsen, Bklyn.
Hirschenshohn, E. ph *202 Park ave., Hoboken*
Hirschenshon, N. ph *202 Park ave., Hoboken*
Hirsh, A. *ph* 531-535 W. 123
Hoag, H. E. ph *537 W. 123*
Hogan, K. E. 3 t *345 Manhattan ave.*
Hopkins, F. L. ph *9-8 ave., Bklyn.*
Horinchi, S. *pl* 17 Concord, Bklyn.
Horton, B. B. *p* Hotel Manhattan
Howe, W. E. *ph* Chelsea sq.
Howell, A. S. f a *415 W. 118*
Howland, G. F. *t* 40 W. 129
Humann, O. V. *nm t* 120 E. 23
Hunt, E. K. ph *47 W. 146*
Hunt, A. P. *ph* 1 Chelsea sq.
Hurlbut, S. A. *ph* 308 W. 93
Hyde, C. E. 2 *m* Hartley
Hyde, J. E. *p* 417 W. 121

Iba, K. Sedgwick ave. & 183 General Theological Seminary
Inagaki, Y. *pl*
Ingraham, O. *pl* 444 Clinton ave., Bklyn.
Ishikawa, W. *pl* 700 Park ave.
Isü, K. *ph* 151 E. 27
Iskinura, S. *pl* 330 E. 57

Jackson, B. B. *gr. t* 312 W. 123
Jacobs, L. *ph* 28 Second pl.
Jacobstein, M. *pl* 524 W. 123
Joffi, J. A. *ph* 530 W. 123
Johnston, W. B. *nm c* 774 West End ave.

Jones, J. *t* 1294 Amsterdam ave.
Joseph, I. *ph* 41 E. 69
Joshi, S. L. *pl* 700 Park ave.

Kahn, J. A. 3 *l* 18 E. 95
Kalb, J. A. *gr t* Milburn, N. J.
Karnopp, C. F. *pl* 3 W. 29
Kauffman, A. W. *pl*
Madison, N. J.
Kavanagh, M. I. ph
341 Webster ave., L. I. City
Kawanaka, K. *ph* 700 Park ave.
Kellogg, W. A., Jr. 3 *c* 104 W. 58
Kilmer, A. J., 3 *c* 147 College ave.
New Brunswick, N. J.
King, C. B. 2 *l*
Kingsbury, G. H. *gr t* Lamont ave.
near Fifth, Elmhurst, L. I.
Knauff, Grant *ph* Chelsea sq.
Knickerbocker, W. E. *ph* 23 W. 129
Knight, J. J. *f a* 612 W. 115
Koehler, B. K. 3 t c
Rutherford, N. J.
Kohn, L, ph 1138 Madison ave.
Kroeber, J. p 207 W. 107
Kuesel, A. E 2 t Whittier
Kuhn, A. t 221 E. 123
Kupfer, E. p 44 W. 97
Kurlandzik, R. pl Whittier

Lage, F. 3 *s* 531 W. 113
Lakeman, C. E. *pl* 55 W. 44
Lambert, C. *nm s*
76 Hanson pl., Bklyn.
Lambuth, D. K. *ph* 520 W. 123
Lane, B. E. pl 525 W. 124
Langford, G. p Whittier
Leary, R. W. *ph* 2465 Bway.
Leonard, W. M. 1 *c* 250 W. 44
Leibson, J. J. 38 W. 114
Lent, I. J. 3 *m* Hartley
Lent, R. R. ph 80 Riverside Drive
Levinson, G. M. *nm s*
181 E. Bway.
Levinthal, I. H. 2 *c* 915 E. 170
Levinthal, I. H. 2 *c* 915 E. 170
Levison, L. H. 1 *c* 252 W. 137
Lichtenberger, J. P. *pl*
2372 Seventh ave.
Lincoln, F. C. *p* 467 W. 163
Lindgren, O. H. 3 *s* 122 E. 27
Linehan, P. H. *p* 607 W. 138
Lipke, J. *p* 784 E. 148
Little, H. W. *gr t* 234 W. 76
Livingston, S. *gr t* 328 W. 56
London, J. F. 4 t 273 E. Bway.
Long, W. B. 1 *m* 144 W. 65

Lord, J. W. 1 *s* 163 E. 71
Loring, F. C. *p* Livingston
Lowther, E. A. *pl* 160 Waverly pl.
Lublin, C. *ph* 78 W. 82
Lucas, E. D. *ph* 357 W. 115

MacAlarney, E. L. ph 430 W. 118
McCarty, S. gr t
8 Jarvis pl., Trenton, N. J.
McCook, J. A. ph 10 W. 54
MacDonald, Wm. T. 3 *s*
Livingston
McClane, W. D. *pl*
General Theological Seminary
McClelland, G. W. *ph*
College City of New York
McCormick, T. J. *pl*
St. Joseph's Seminary, Yonkers
McDonald, M. F. *gr t*
275 Warren, Bklyn.
McDowell, P. p 40 W. 93
McElwee, R. S. 3 *c* 619 W. 113
McGuinness, F. V. 1 *s*
98 Decatur, Bklyn.
McGovney, D. O. 3 *l* Livingston
McKim, C. L. pl
37 Fairview, Yonkers
McKim, J. C. *pl*
General Theological Seminary
McKnight, J. A. *gr t* 501 W. 123
McLaury, C. H. *ph* 146 W. 111
Macy, M. S., M. D. 3 t 101 W. 80
Maddock, C. L. 4 t
82 Morningside ave.
Mahony, F. C. 1 *s* 306 W. 109
Margarge, S. J. *p*
College of City of New York
Malmberg, F. C. *ph* 11 W. 65
Mann, K. ph 251 W. 100
Manny, F. A. *gr t*
33 Central Park West
Mark, M. L. pl 420 W. 121
Marshall, J. F. *gr. t* 1011 Tiffany
Mason, J. A. C. *pl.* 529 W. 133
Masterton, R. C. 4 *c* 418 W. 144
Mead, C. S. *p* 417 W. 121
Mead, E. 3 t
112 Hancock, Bklyn.
Mead, T. L. *gr t*
City Island, N. Y. City
Mead, R. H. 3 *s* 605 W. 113
Meding, E. A. ph
Melamed, R. H. *ph* 531 W. 123
Meyer, C. C. *gr. t* 418 W. 118
Meyer, E. B. *nm c* Hartley
Meyer, H. H. *gr t* 418 W. 118

Miles, E. C. gr. t
316 William, E. Orange, N. J.
Miller, C. A. ph *430 W. 118*
Mills, E. ph
474 Willoughby ave., Bklyn.
Mills, W. S. *nm c* 27 W. 44
Minnin, J. 4 *c* 83 Canal
Mitchell, C. E. 4 *c* 24 W. 10
Mockridge, R. W. 3 *c*
70 & Columbus ave.
Montgomery, G. G. ph 403 W. 115
Moore, O. H. *ph* 557 W. 124
More, S. M. ph *101 Halsey*
Moore, W. T. ph
283 Forrest, Jersey City
Mora, E. J. 3 *s* Livingston
Morgan, C. E. *ph*
1173 Bushwick ave., Bklyn.
Morrey, W. T. *pl* 535 W. 111
Morris, F. K. *p* 2027 Seventh ave.
Mosher, J. A. *ph* 246 W. 112
Moses, J. *gr t* 422 E. 9
Mullen, T. H. 1 *c* 60 E. 127
Murray, I. 4 t *510 W. 124*
Murray, T. R. 3 *c* 339 E. 87

Nargánes, F. 1 *c* 117 W. 85
Nason, A. H. *ph*
New York University
Negus, J. C. 3 *c* Hartley
Nelbell, A. P. 1 *l* 9 E. 49
Newell, R. 3 t *Whittier*
Nelson, J. M. *p* Livingston
Nelson, N. E. 3 *t*
855 Cauldwell ave.
New, F. D. *ph*
Newborg, S. 3 *l* 14 W. 85
Newland, A. M. gr. t *110 W. 113*
Nichols, C. *ph*
413 S. Bway., Yonkers
Nolan, J. H. *ph* 175 Ninth ave.
Norris, G. 4 *c* 565 W. 113
Notman, A. 3 *s* 608 W. 113
Novotny, G. J. *pl* Hartley

Oberlander, H. C. *f a* 233 E. 85
O'Donnell, P. J. *ph* 135 E. 96
Officer, K. nm b *417 W. 118*
Oppenheim, T. D. *pl* 59 W. 56
Osburn, R. C. *p* 510 W. 124
Osgood, C. S. *pl* 700 Park ave.
Otis, W. B. *ph* 504 W. 112

Panaroni, A. G. *ph* 326 W. 36
Parsons, P. A. *pl* Plainfield, N. J.
Patterson, F. A. *ph* 246 W. 112
Pearse, C. A. 2 *c* 139 W. 121
Pease, A. W. 2 *c*
431 Riverside Drive
Penny, E. M. gr t *Whittier*
Pernessin, N. nm t *501 W. 113*
Perrier, J. L. *ph* 220 E. 49
Perrin, E. N. *ph* 312 W. 113
Perrine, H. 4 *c* 820 West End ave.
Philp, M. I. *ph* 419 W. 118
Pickett, W. J. 4 *t* Hartley
Piel, W. F. J. 2 *l* 245 W. 72
Pinkham, G. R. *gr t*
22 W. Kinney, Newark
Plaskett, G. M. *pl*
General Theological Seminary
Porterfield, A. W. *ph* Livingston
Powell, H. W. *p* 156 W. 80
Prall, J. G. 3 *s* 110 W. 91
Price, W. R. *ph* 602 W. 135
Proudfoot, M. A. 4 t *203 W. 121*

Quackenbos, G. P. *ph* 231 W. 28

Rabinowitz, E. N. 531 W. 123
Radin, M. *ph* 844 Teasdale pl.
Rankin, A. H. 3 t *545 W. 129*
Rawlings, R. H. 2 *c* Livingston
Reaney, G. H. 4 *c* 133 W. 92
Reber, J. *ph* 122 E. 54
Reddick, H. W. *p* Livingston
Reed, L. R. *nm c* 116 & Riverside
Reed, M. F. *gr t* Livingston
Reilly, J. J. *ph*
Fordham University
Reinhold, C. K. 3 t *511 W. 170*
Reitlinger, B. H. ph *66 W. 68*
Rejall, A. E. *gr t*
54 Tompkins pl., Bklyn.
Rice, E. L. *p* 521 W. 123
Richards, E. S., Jr. *f a*
43 Murray, Newark, N. J.
Richards, F. S. gr t *Whitier*
Ridder, J. E. 3 *s* 22 W. 74
Roberts, F. W. *gr t*
Roberts, M. ph *537 W. 121*
Robinson, B. W. *ph* 700 Park ave.
Robinson, M. L. p *Whittier*
Rodman, H. pl *444 W. 124*
Rogers, H. S. 4 t *Whittier*
Rogers, L. B. *gr t* 600 W. 127
Rolker, C. M., Jr. 3 *c*
127 Riverside Drive
Rollins, W. E. 2 *c* Livingston
Rose, W. J. 3 *c* Park ave. & 58
Rosenblatt, F. 3 *c* 195 Clinton
Rosenblatt, M. *ph* 97 E. 3
Rosenstradt, B. ph
164 Willett Court, Jamaica, L. I.

Ross, J. G. *p* 544 W. 13
Rubel, N. 4 t *503 W. 121*
Rubenovitz, H. *ph* 113 E. 116
Rudisill, L. E. 1 *l* 508 W. 113

Sackett, N. *p.* Hartley
Safier, I. E. *f a* 73 E. 128
Sait, E. McC. *pl* Hartley
Saqui, E. 4 *s* 2026 Seventh ave.
Saunders, C. ph *417 W. 120*
Saxe, J. G. 1 *s* 126 E. 19
Schellitzer, M. *ph* 128 E. 60
Schlauch, W. S. *p* 1210 E. 179
Schmidt, J. W. *f a* 537 E. 155
Schottenfels, I. p *501 W. 121*
Schulze, H. H. L. *ph*
55 Cornell ave., Yonkers
Schwerin, N. P. ph *2508 Bway.*
Schuyler, E. *p* 156 Halsey
Shack, S. M. 3 *c* 311 Henry
Shafer, G. C. 1 *l* 143 E. 49
Shaffer, W. 1 b *511 W. 122*
Shelander, A. B. *ph* 158 W. 96
Shepard, M. J. 4 t
81 Columbia Heights, Bklyn.
Shepherd, R. L. *pl*
College Point, N. Y.
Sherman, R. E. *pl* 523 W. 123
Sherman, F. I. 3 t
Bryn Mawr, 121 & Amster. ave.
Shields, J. *nm c* 139 Christopher
Shinn, N. T. ph
Pelham Manor, N. Y.
Shipp, E. R. 4 t *459 W. 123*
Shikamura, U. *pl*
31 Manhattan ave.
Sigafus, A. E. 2 t
112 Broad, Bloomfield, N. J.
Silberberg, B. p. *435 W. 123*
Simpson, B. R. *gr t* Hartley
Sinclair, J. E. *p*
62 Taylor, Newark, N. J.
Seniza, F. C. p
136 Boulevard, Hoboken, N. J.
Slaymaker, R. J. 4 t
Westfield, N. J.
Sloan, H. S. 1 *c* 240 Garfield pl.
Smart, I. T., M. D. 3 t 101 W. 80
Smith, J. A. *nm s* 293 E. 10
Smith, J. H. *ph* 505 W. 112
Smith, L. 3 *l* Livingston
Smith, L. C. pl *Bway. & 66*
Smith, R. L. *gr t* Freeport, L. I.
Snead, C. G., Jr. 1 *l* 322 W. 53
Sneed, G. L. *pl* 231 E. 76
Snider, G. E. *pl* 511 W. 112
Springer, A. p *Whittier*

Staber, M. J. p.
360 Clinton, Bklyn.
Stamm, C. L. 3 t
25 N. Seventh ave., Mt. Vernon
Stark, W. E. *gr t*
Central Park West & 63
Staunton, H. C. *ph* 2 Bible House
Stearns, S. B. ph *417 W. 118*
Stockard, C. R. *p* 519 W. 123
Stone, C. W. *gr t* 545 W. 123
Stone, I. ph *Whittier*
Stork, E. J. *f a*
212 Hancock ave., Jersey City
Stubblebine, A. N. *ph*
80 Rose, Newark
Sullivan, J. E. 3 t *540 W. 114*
Swann, A. W. 4 *m* 550 Park ave.
Swenson, J. R. *gr. t* 522 W. 123

Taylor, J. S. ph
2411 Church ave., Bklyn.
Taylor, J. W. *ph* 523 W. 123
Thomas, A. G. *pl* Hartley
Thomasfi, M. R. *ph* 524 W. 123
Thomas, M. R. ph *524 W. 123*
Tompkins, N. M. pl
Thompson, E. H. 1 *s* 515 W. 110
Thompson, F. E. *gr t*
Thompson, N. W. *pl*
St. Joseph's Seminary, Yonkers
Thomssen, E. G. 4 *c*
Hackensack, N. J.
Todd, J. C. *pl* Brentwood, L. I.
Tripp, L. E. 1 *370 W. 120*
Tripp, M. O. *p*
Lincoln Park, Yonkers
Trott, J. C. *f a* 668 Park pl., Bklyn.
Trowbridge, J. p *537 W. 123*
Tucker, L. E. ph
483 Putnam ave., Bklyn.
Tulloch, T. H. 4 *s*
Club, Morningside Heights
Tupper, H. A. 3 t *109 W. 102*
Turner, Mrs. L. E. ph
37 Clermont ave., Bklyn.
Tuttle, F. H. *p* Summit, N. Y.
Tuttle, M. E. ph *524 W. 123*
Tyng, E. McJ. ph *417 W. 118*

Vandercook, Mrs. M. E. 3 t c
278 Clinton pl., Bklyn.
Van Kirk, A. E. 3 t *401 W. 117*
Ventus, A. B. *ph*
Vineberg, S. *pl* 113 E. 116
Volz, H. C. *f a* 160 Fifth ave.
Vorhaus, Mrs. J. f a *160 E. 80*

Walker, O. K. *pl* 700 Park ave.
Wallin, A. R. *ph* Kenilworth, N. J.
Ward, W. T. 3 *m* 118 W. 64
Warrin, Mrs. H. C. 3 t
430 Jersey ave., Jersey City
Wax, L. W. *t* 306-8 Madison
Weaver, P. 3 *c*
25 Jefferson ave., Bklyn.
Webb, H. W. *p* Livingston
Weeks, M. F. ph
100 & Riverside Drive
Wehle, E. L. t
18 Washington Terrace
Welch, A. M. ph *30 W. 131*
Wellington, E. E. ph
Bronxville, N. Y.
West, C. L. 4 *t*
234 Broad, Newark, N. J.
Westcott, E. B. *361 W. 27*
White, F. C. *pl*. 1400 Clinton ave.
White, R. J. 2 *l* 29 W. 95
Whitford, E. E. *p* 523 W. 151
Whitner, D. D. *p* 417 W. 121
Wicker, C. F. *pl* 599 West End ave.
Wiggin, R. L. *gr t*
The Grant, 514 W. 122
Wilcox, E. D. pl
Ammackassin Terrace, Yonkers
Wilkins, S. A. *ph*
54 Morningside ave.
Wilkinson, E. p *420 W. 121*
Williams, R. H. *p* 527 W. 124
Williamson, C. C. *pl* Hartley
Wilson, H. D., Jr. *ph*
46 Clinton pl., Bklyn.
Wilson, H. S., Jr. *ph*
175 Ninth ave.
Wilson, P. C. ph *101 W. 85*
Wolfson, Mrs. A. S. f a 322 W. 87
Wolven, R. L. ph *175 Ninth ave.*
Womack, M. D., p *509 W. 112*
Wood, E. D. ph *58 W. 51*
Wright, M. V. ph *500 W. 121*
Wye, T. E. 4 t *406 W. 124*

Yokota, T. *ph* 700 Park ave.
Youngs, H. 1 *m*

Zabriskie, E. C. *gr t* 52 W. 93
Zimber, F. E. 2 *s* 417 W. 117
Zons, F. W. 4 *c* Long Island City

SUMMARY.

OFFICERS

Professors	143		
Adjunct Professors	47		
Clinical Professors and Lecturers	18		
Instructors	91		
Demonstrators	12		
Tutors	40		
Curators	2		
Lecturers and other Special Officers of Instruction	42		
Assistants	53		
Clinical Assistants	64		
University Officers of Instruction		512	
Other Instructors in Teachers College		46	
Other Instructors in College of Pharmacy		4	
		50	
			562
University Officers of Administration		17	
Other Officers of Administration, Teachers College and College of Pharmacy		7	
			24
Emeritus Officers			14
Total			600
Horace Mann School and Speyer School (*not included above*)			80

STUDENTS.

Columbia College:			
Senior class	112		
Junior "	127		
Sophomore "	158		
Freshman	166		
Non-matriculated	42		
		605	
The School of Law:			
Third-year class	83		
Second-year "	68		
First-year "	89		
Non-matriculated	14		
		254	
Carried forward		859	

Brought forward		859
The School of MEDICINE:		
Fourth-year class	95	
Third-year "	78	
Second-year "	80	
First-year "	85	
Non-matriculated	7	
		345
The Schools of APPLIED SCIENCE:		
Fourth-year class	87	
Third-year "	120	
Second-year "	158	
First-year "	141	
Non-matriculated	22	
		528
FINE ARTS:		
Architecture	82	
Music	25	
		107
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE		807
TOTAL		2646
BARNARD COLLEGE		391
TEACHERS COLLEGE		693
COLLEGE OF PHARMACY (Not included in Directory)		247
TOTAL		3977
Deduct Double Registration		138
NET TOTAL OF RESIDENT STUDENTS		3839
Summer Session Students, 1906		1041
Deduct Double Registration		269
GRAND TOTAL OF RESIDENT STUDENTS		4611
Students in extension courses		895

October 19, 1906.